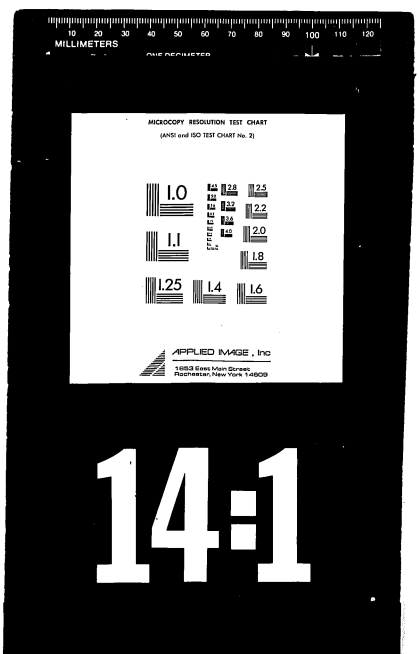
MILLIMETERS
MICROCOPY RESOLUTION TEST CHART
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I.0
I.1
I.25
I.4
I.6
2.8
3.2
3.6
4.0
2.5
2.2
2.0
1.8
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Thomas A. Edison Papers

A SELECTIVE MICROFILM EDITION

PART IV
(1899–1910)

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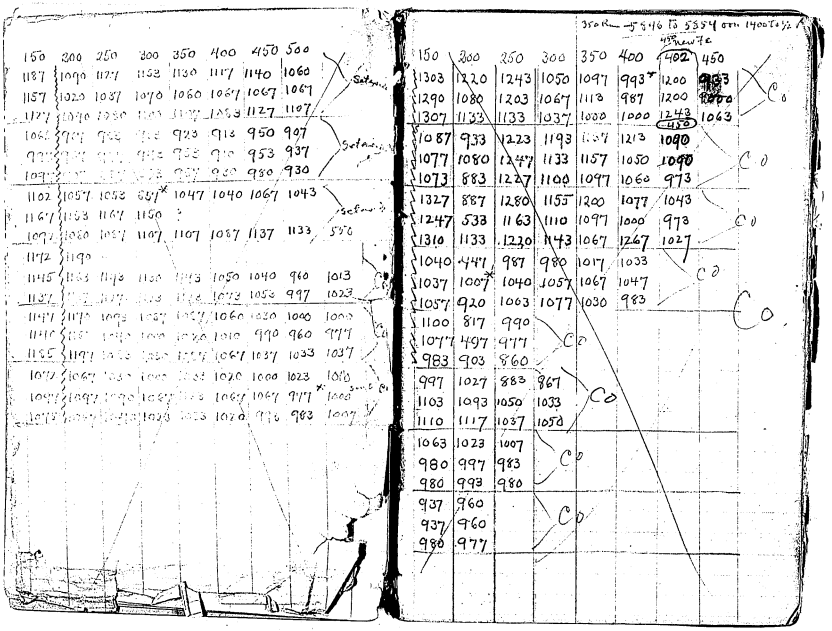
Notebook, N-10-01-02.1

		Cold	50	100
21 Hole .005 Spiral 707 ½ w filtered dried high heat — 10 of 24 green	5452	1167	1185	1175
	5453	1200	1200	1170
2½% KOH 5.56	5454	1185	1172	1135
21 Hole .005 Spiral 707 ½ wash not filtered dried low heat 10 of 24 green	5455	1155	1107	1075
	5456	1157	1065	1025
2½% KOH 5.04	5457	1180	1120	1117
21 Hole .005 No wash filtered dried low heat 707 10 of 24 green	5509	1196	1130	1095
	5510	1212	1177	1172
5.49	5511	1215	1117	1092
21 Hole .005 Spiral 707 ½ wash filtered dried low heat 2½% 10 of 24 green	5530	1183	1165	1150
	5531	1157	1150	1137
5.24	5532	1165	1137	1127
Dup 5530 707 21 Hole .0035 Spiral P...	5533	1217	1177	1155
	5534	1207	1182	1157
Dup 5530 707 26 X 30 .005 Spiral P	5535	1210	1220	1180
	5536	1145	1115	1075
	5537	1137	1095	1097
	5538	1177	1050	1100

5846 - 4 cotton changed to new on run which was No. 5

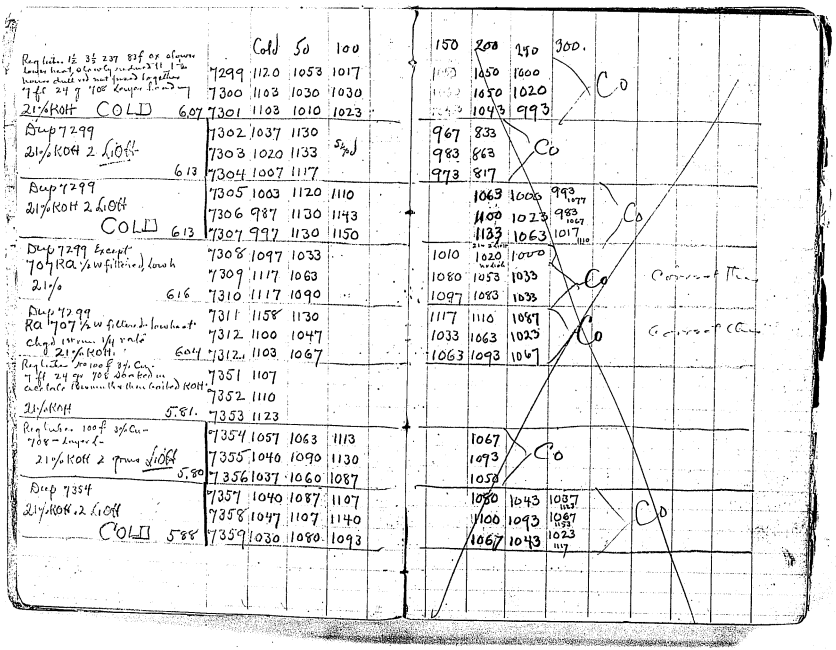
	This	Cold	50	100
21 Hole .005 1½ spiral 3½ wt 708 10 of 24 green ½ wash not filtered dried low heat.	5846	1337	1375	1370
	5847	1337	1345	1370
2½% KOH 2 grms LiOH 5.18	5848	1337	1365	1362
2.5% KOH 2 grms LiOH 5.19	5849	1307	1302	1317
	5850	1320	1325	1350
	5851	1320	1322	1400
2.3% KOH 2 grms LiOH 5.23	5852	1260	1297	1350
	5853	1227	1252	1287
	5854	1232	1275	1342
2½% KOH 2 grms LiOH 5.22	5855	1192	1232	1232
	5856	1187	1212	1210
	5857	1192	1220	1217
1½% KOH 2 grms LiOH. 5.24	5858	1170	1210	1187
	5859	1180	1180	1147
	5860	1180	1247	1212
21 Hole .005 1½ spl wt 2 708 10 of 24 — 2½% KOH 2 grms LiOH 68 Plate 4.98	5992	1162	1177	1093
	5993	1157	1197	1190
	5994	1145	1193	1173
Dup 5992 17 KOH 2 LiOH	5995	1125	1180	1133
	5996	1120	1163	1087
	5997	1120	1150	1110
Dup 5992 13% K 2 LiOH	5998	1100	1133	1060
	5999	1115	1153	1087
	6000	1100	1123	1087

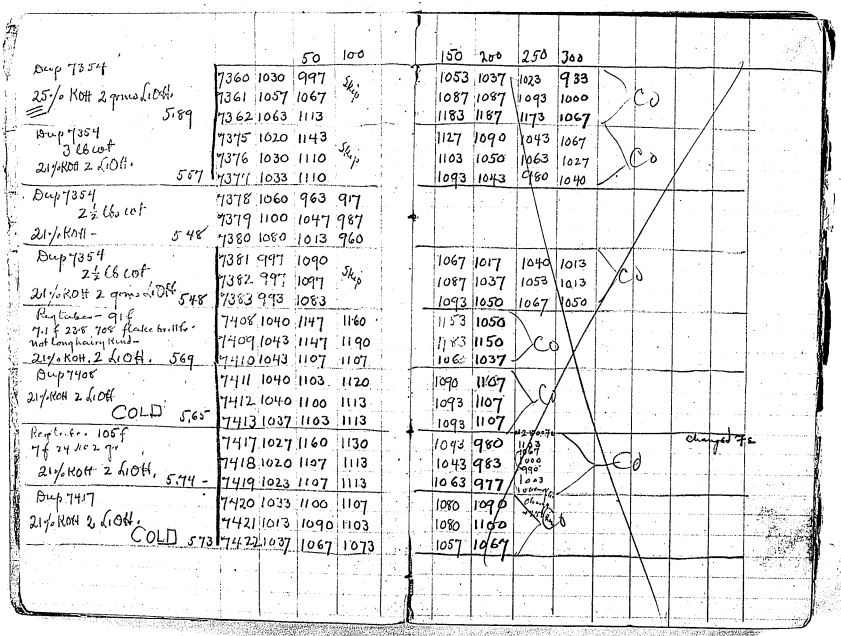


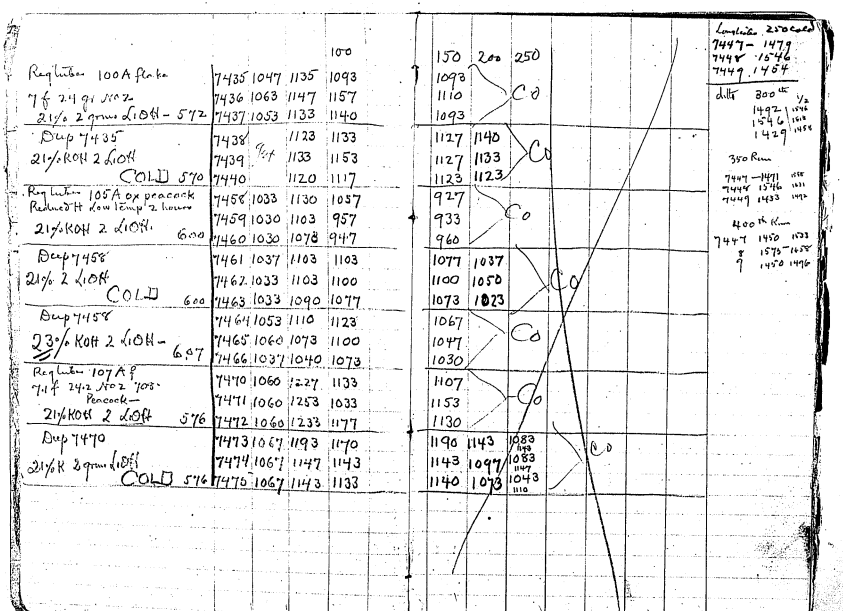
		Co	50	100
2 Hole 1½ spl 708 No 2 5 ft 24 g - ½ thick 2½% KOH. 2 grms LiOH. 7 of 5.69	6103	1122	1213	1170
	6104	1137	1230	1077
	6105	1115	1190	950
2½% KOH 2 LiOH. 3 grms Ferrous hydroxide	6202	1002	1030	1043
	6203	1000	977	1000
	6204	1027	1010	1033
2 Hole 005 1½ spl 24 No 2 708 - Run 30 10 ft No 24 Sweaky - run 20 ft left. 2½% KOH 100 mlg/LiOH. COLD	6714	953	950	983
	6715	977	960	997
	6716	980	977	987
Strip 6714 2½% 200 mlg/LiOH COLD	6717	977	987	1027
	6718	957	970	1000
	6719	970	973	997
2½% 500 mlg LiOH COLD	6720	987	1037	1067
	6721	957	1037	1053
	6722	960	990	1007
2½% 1 grm LiOH COLD	6723	980	1020	1010
	6724	997	1033	1033
	6725	973	1033	1043
2½% 2 grms LiOH COLD	6726	973	983	987
	6727	963	1017	1013
	6728	953	1020	1017
2½% 3 grms LiOH COLD	6729	990	1041	1030
	6730	977	1030	1017
	6731	993	1047	1043
2½% 1 grm LiOH. COLD	6732	933	897	867
	6733	970	1017	993
	6734	930	917	867

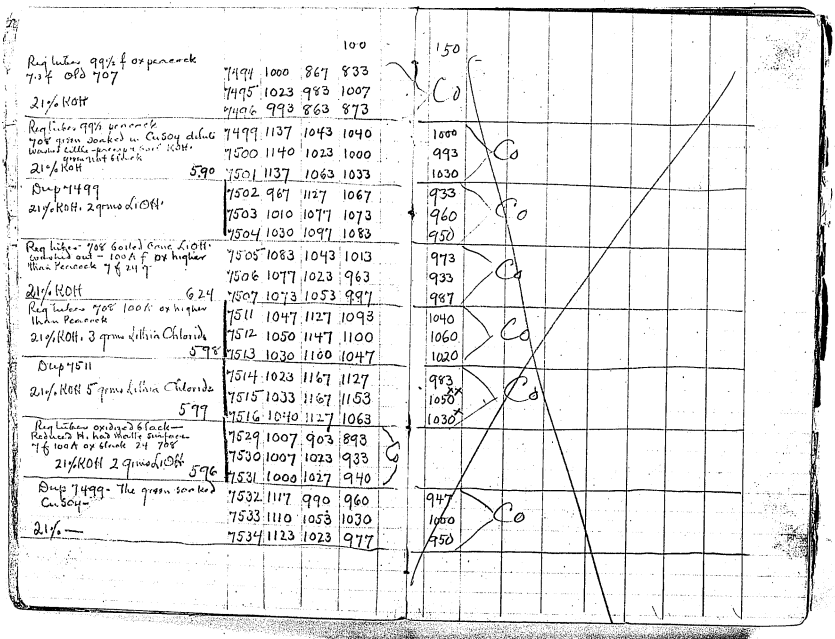
150	200	250	300	350	400	
1147	1053	1087	1013	847	893	C0
1177	1063	1117	973	893	897	
1160	1090	1107	977	927	950	
1083	930	973	1023			
1040	930	940	957			C0
1050	957	953	957		400	
1010	1050	1030	1067	1063	1038	628
1030	1067	1050	1080	1067	1043	660
1043	1077	1057	1117	1093	1067	664
1050	1083	1060	1117	1103	1083	650
1010	1057	1050	1097	1067	1050	623
1027	1067	1050	1097	1080	1057	647
1073	1110	1110	1168	1133	1110	757
1063	1110	1100	1143	1123	1083	690
1027	1063	1073	1117	1083	1067	737
1027	1057	1067	1110	1063	1057	753
1050	1060	1093	1123	1067	1043	763
1050	1083	1100	1137	1097	1067	803
970	967	1050	1020	927	917	810
1010	1043	1063	1087	1043	1023	813
1018	1043	1067	1097	1037	1023	843
1040	1060	1053	1107	1040	1038	640
1010	1070	1027	1067	983	980	867
1047	1060	1053	1117	1040	1023	953
853	877	937	993	933		C0
950	970	986	1050	1040		
867	900	940	977	960		

	Cold	50	100	150	200	250	300
21 Hole .005 In 2 grams 705 5 sq ft of Trough H 20 78 ft Temper Condensing - 101.80 Hz	6835 1035	1010	1020	1087			
	6836 1063	1010	1053	1020			
21% KOH 1 grams LiOH. 6.05	6837 1060	1067	1143	1078			
Dup 2 grams LiOH. 6.11	6838 1023	1077	1177	1130			
	6839 1003	1050	1130	1087			
	6840 1020	1090	1127	1097			
21 Hole 1½ 3 Hr 705 Nitration gal flame adj - low side - 21 1/2 % 1½ hours hot plate 88 F not H - 78 F 24 % -	7157 1057	1010	977	990	1010		
	7158 1077	1023	990	1010	1023		
21% COLD 5.66	7159 1070	1043	993	1010	1027		
Dup 7157	7160 1063	1122	1147		1063		
21% KOH 2 grams LiOH 5.47	7161 1063	1117	1160		1080		
	7162 1027	1047	1097		1063		
Dup 7157	7163 1037	1067	1043	1070	1063	1060	1027 1047
21% KOH. 2 grams LiOH.	7164 1040	1090	1057	1087	1073	1043	1030 1023
COLD 5.69	7165 1053	1100	1067	1097	1090	1067	1043 1027
21 Hole 1½ 3½ 708 83 F 24 % 7% Conc as reduced H I know could be	7248 1147	1050			1077	993	
	7249 1150	1010			983	993	
21% KOH - 5.94	7250 1160	1090			940	933	
21 Hole 605 Hy 83 F or some as 7248 7% 24 708	7284 1140	1067		970	897		
21% KOH 2 grams LiOH. 5.99	7285 1120	1123	Skip	990	913		
	7286 1117	1173		1080	927		
Dup Using 3 grams feed until off 83 F or used H to high called up. 7% 24 %	7290 1143	1103	957				
	7291 1133	1067	973				
21% KOH 2 grams LiOH. 5.82	7292 1123	1033	980				


Cold 50 100
Reg Lister 1½ 3½ 237 83f ox albumen broke heavy otherwise medium 11 1¾ hammer dried well mixed ground together 7gfs 24 g 10% Konyer Reagent
7299 1120 1058 1017
7300 1103 1030 1030
21% KOH COLD 6.07
7301 1103 1010 1023
Dup 7299
21% KOH 2 LiOH
6.13
7302 1037 1130
7303 1020 1133
7304 1007 1117
Dup 7299
21% KOH 2 LiOH
COLD 6.13
7305 1003 1120 1110
7306 987 1130 1143
7307 997 1130 1150
Dup 7299 Except
70% Raf ½ w filtered 1 hour
21%
6.16
7308 1097 1033
7309 1117 1063
7310 1117 1090
Dup 7299
Raf 70% ½ w filtered 1 hour at
chg's in mix ratio
& 21% KOH
6.04
7311 1158 1130
7312 1100 1047
7312 1103 1067
Reg Lister 300 100 f 3% Cu
7 gfs 24 gr 70% Soln Rochelle
acid salt Potassium Na (Rochelle salt) KOH
21% KOH
5.81.
7351 1107
7352 1110
7353 1123
Reg Lister 100 f 3% Cu
70% - 1 mpr f -
21% KOH 2 grams LiOH
5.80
7354 1057 1063 1113
7355 1040 1090 1130
7356 1037 1060 1087
Dup 7354
21% KOH 2 LiOH
COLD 5.88
7357 1040 1087 1107
7358 1047 1107 1140
7359 1030 1080 1093
150 200 250 300.
1650 1600
1650 1020
1043 993
967 833
983 863
973 817
1063 1000 993
1100 1023 993
1133 1063 1017
1010 1020 1000
1080 1053 1033
1097 1083 1033
1117 1110 1087
1033 1063 1023
1063 1093 1067
1067
1093
1058
1080 1043 1037
1100 1093 1067
1067 1043 1023
Co
Co
Co
Co
Co
Co
Co
Co


Dup 7354
25% KOH 2 gms LiOH. 5.89
Dup 7354 3 Lbs cat 21% KOH 2 LiOH. 5.67
Dup 7354 2½ Lbs cat 21% KOH - 5.48
Dup 7354 2½ Lbs cat 21% KOH 2 gms LiOH 5.48
Regulator - 91 ft 7.1 ft 228 705 Plates br. 116. Not Long hairy mud - 21% KOH. 2 LiOH. 5.69
Dup 7408 21% KOH 2 LiOH COLD 5.65
Regulator. 105 ft 74 ft 202 gr 21% KOH - 2 LiOH. 5.44 -
Dup 7417 21% KOH 2 LiOH. COLD 5.73
50 100 150 200 250 300
7360 1030 997
7361 1057 1067
7362 1063 1113
7375 1020 1143
7376 1030 1110
7377 1033 1110
7378 1060 963 917
7379 1100 1047 987
7380 1080 1013 960
7381 997 1090
7382 997 1097
7383 993 1083
7408 1040 1147 1160
7409 1043 1147 1190
7410 1043 1107 1107
7411 1040 1103 1120
7412 1040 1100 1113
7413 1037 1103 1113
7417 1027 1160 1130
7418 1020 1107 1113
7419 1023 1107 1113
7420 1033 1100 1107
7421 1013 1090 1103
7422 1037 1067 1073
1053 1037 1023 933
1087 1087 1093 1000
1183 1187 1173 1067
1127 1090 1043 1067
1103 1050 1063 1027
1093 1043 960 1040
1067 1017 1040 1013
1087 1037 1053 1013
1093 1050 1067 1050
1153 1050
1183 1150
1062 1037
1090 1167
1093 1107
1093 1107
1093 980
1043 983
1063 977
1080 1090
1080 1160
1057 1067
Co
Co
Co
Co
Cd
Cd
changed Fe
1063
1067
1000
990
1003
1000 mg
changed
Fe
Cd


100
Reg Luther 100A fr Ike
7 & 24 gr NO2
2.1% 2 grms LiOH - 57Z
7435 1047 1135 1093
7436 1063 1147 1157
7437 1053 1133 1140
Dup 7435
21% KOH 2 LiOH
COLD 570
7438 1123 1133
7439 1133 1153
7440 1120 1117
Reg Luther 105A ox peacock
Reduced H low temp 2 hours
21% KOH 2 LiOH. 600
7458 1033 1130 1057
7459 1030 1103 957
7460 1030 1078 947
Dup 7458
21% 2 LiOH
COLD 600
7461 1037 1103 1103
7462 1033 1103 1100
7463 1033 1090 1077
Dup 7458
23% KOH 2 LiOH - 607
7464 1053 1110 1123
7465 1060 1073 1100
7466 1037 1040 1073
Reg Luther 107A f
7 & 24.2 NO2 108.
Peacock -
21% KOH 2 LiOH 576
7470 1060 1227 1133
7471 1060 1258 1033
7472 1060 1233 1177
Dup 7470
21% K 2 grms LiOH
COLD 576
7473 1067 1193 1170
7474 1067 1147 1143
7475 1067 1143 1133
150 200 250
1093
1110
1093
Co
1127 1140
1127 1133
1123 1123
Co
927
933
960
Co
1077 1037
1100 1050
1073 1023
Co
1067
1047
1030
Co
1107
1153
1130
Co
1190 1143 1083 1139
1143 1097 1083 1107
1140 1073 1043 1110
K O
Luminic 250 cond
7447 - 1479
7448 - 1546
7449 - 1454
diff 800 th 1/2
1492 1498
1546 1552
1429 1454
350 Rum
7447 - 1471 1488
7448 1546 1531
7449 1433 1492
400 th Rum
7447 1450 1533
8 1575 1558
9 1450 1496


Reg Luther 99% f ox peacock
7.1f OD 707
21% KOH
7494 1000 867 833
7495 1023 983 1007
7496 993 863 873
Reg Luther 99% peacock
708 grain soaked in CuSO4 dilute
washed with pure water KOH
21% KOH 590
7499 1137 1043 1040
7500 1140 1023 1000
7501 1137 1063 1033
Dup 7499
21% KOH. 2 grms of LiOH
7502 987 1127 1067
7503 1010 1077 1073
7504 1030 1097 1083
Reg Luther - 708 boiled Cu++ LiOH
Cu++ dilute and - 100 A f ox higher
than Peacock 7 f 21 7
21% KOH 624
7505 1083 1043 1013
7506 1077 1023 963
7507 1073 1053 997
Reg Luthers 708 100 A ox higher
than Peacock
21% KOH. 3 grms Lithia Chloride
598
7511 1047 1127 1093
7512 1050 1147 1100
7513 1030 1160 1047
Dup 7511
21% KOH 5 grms Lithia Chloride
599
7514 1023 1167 1127
7515 1033 1167 1153
7516 1040 1127 1063
Reg Luthers oxidized black—
Rasburn H. had Mostly pinfoxes—
7 f 100 A ox streak 24 708
21% KOH 2 grms LiOH 596
7529 1007 903 893
7530 1007 1023 933
7531 1000 1027 940
Dup 7499 - The grain soaked
CuSO4—
21% —
7532 1117 990 960
7533 1110 1053 1030
7534 1123 1023 977
100
150
Co
1000
993
1030
Co
933
960
950
Co
973
933
987
Co
1040
1060
1020
Co
983
1050
1030
Co
947
1000
950
Co

		Cold	50	100	
Repetition 708 soaked 12 grms Cobalt Sulphate gum ar ff 7.3 24 g. —	7547	750	833	867	
21% KOH. 577	7548	720	783	797	
	7549	720	800	833	
Dup 7547	7550	877	1060	990	
21% K 2 grms LiOH.	7551	863	1050	1010	CO
577	7552	880	1087	1040	
Rep tests 708 g mixed with sliding emulsion of como graphite ar ff 7.3 —	7571	1157	957	833	
21% KOH. 596	7572	1157	953	800	Co
	7573	1147	993	887	
Dup 7571	7574	1153	1133	1000	
21% KOH 2 LiOH.	7575	1153	1150	1000	CO
585	7576	1127	1007	890	
Repetition 7 grms of 708 soak Cobalt Bismuth hydrate in Nitrogen 4 min in each grm each 60% KOH.	7619	1000	1033	1040	
21% KOH. 638	7620	1027	1053	923	
	7621	1007	1023	990	
Dup 7619	7622	1097	1267	1297	
21% KOH 2 grms LiOH	7623	1107	1270	1260	
657	7624	1117	1267	1283	
Dup 7619	7625	980	1023	930	
Except grain soaked 1 hour in Bi Sol not washed - dried - boiled KOH - 7ff 24 g - 21% 616	7626	980	927	917	
	7627	970	957	980	
Dup 7625	7628	1067	1170	1140	
21% KOH 2 grms LiOH	7629	1063	1227	1210	
617	7630	1067	1217	1267	

Run on board 300 Time Cold 200 hot
now 1157 - 1157 - 1137

150 200 250 300 ½ Hot

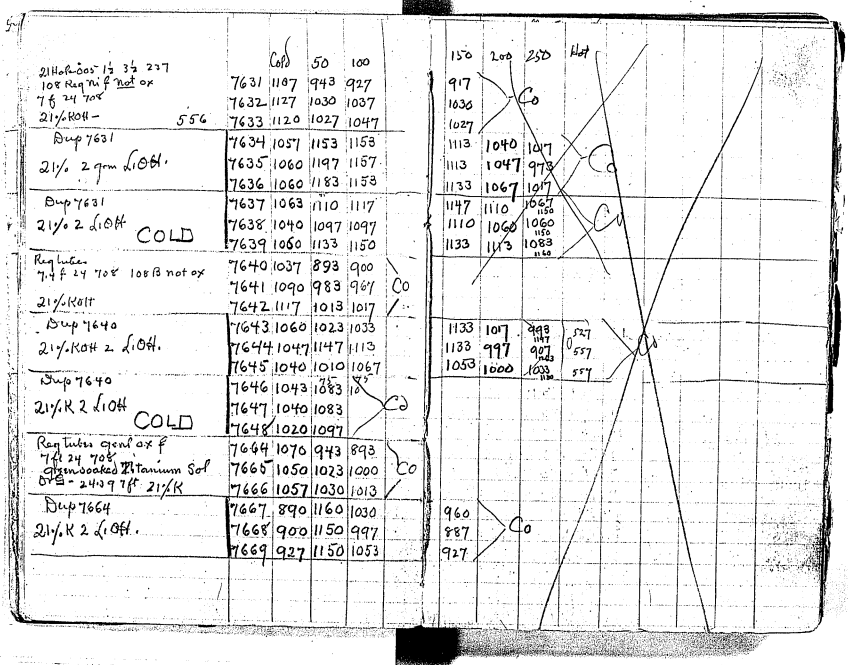
Φ Two results taken through mouse from wire hunt - pole piece Bi gum not

CO

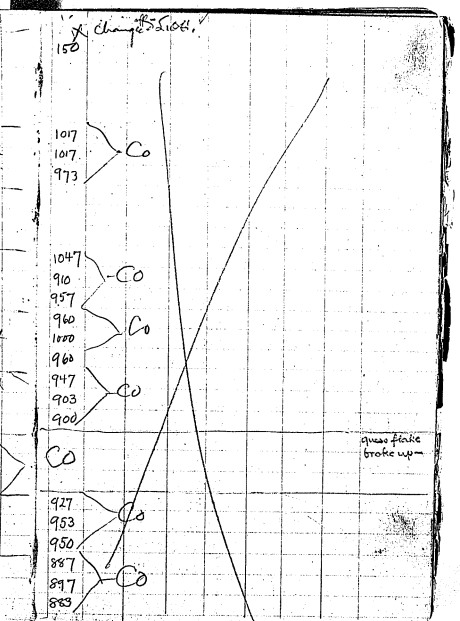
				350	½	Hot	
				1093	1197	600	
				1140	1237	267	CO
				1143	1263	520	

1017	963	963		943	967	253		
1017	953	953	Co	867	897	253	Co	
983	960	953		917	963	280		
				now 72				
1253	1083	1913 1337	833	1167	1317	830		
1170	960	1980 1393		671	1293	677		grease + wall
1240	1083	1983 1338		650	1166	790		
983	890	907		877	973	317		
873	810	793		700	713	297		put — 2 LiOH + Run hunt again
1000	900	927		913	973	344		
1280	1030	Ordered Change run (Low Collimation)						
1277	990	Looked good 7628 — some spots 2 bad		Change 2 1908		1283	½	
1253	990					1203	1317	
						1283	1363	

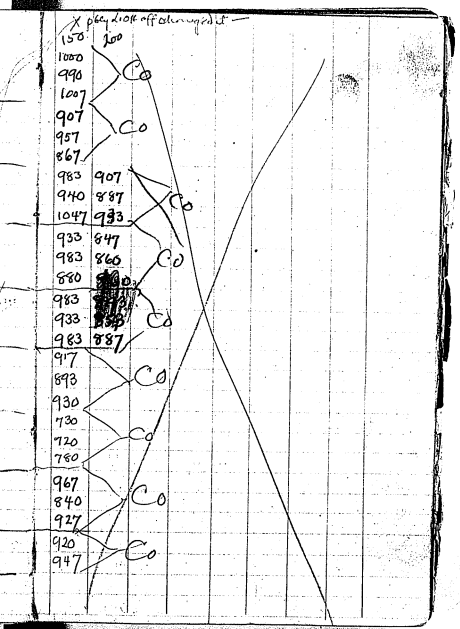
July 2nd put up with new 72 to run Cold again —


2 1 Hour-ovs 13 32 227
108 Reg Ni f not ox
7 f 24 708
21% KOH – 556
Dup 7631
21% 2 gm LiOH.
Dup 7631
21% 2 LiOH COLD
Reg tubes
7 f 24 708 108 B not ox
21% KOH
Dup 7640
21% KOH 2 LiOH.
Dup 7640
21% K 2 LiOH COLD
Reg tubes 9 cm² ox f
7 f 24 708
Glycerin soaked Titanium Sol
0-2 - 24 29 7 f 21% K
Dup 7664
21% K 2 LiOH.
Cold 50 100
7631 1107 943 927
7632 1127 1030 1037
7633 1120 1027 1047
7634 1057 1153 1158
7635 1060 1197 1157
7636 1060 1183 1158
7637 1063 1110 1117
7638 1040 1097 1097
7639 1060 1133 1150
7640 1037 893 900
7641 1090 983 967
7642 1117 1013 1017
7643 1060 1023 1033
7644 1047 1147 1113
7645 1040 1010 1067
7646 1043 1083
7647 1040 1083
7648 1020 1097
7644 1070 943 893
7665 1050 1023 1000
7666 1057 1030 1013
7667 890 1160 1030
7668 900 1150 997
7669 927 1150 1053
150 200 250 Hot
917
1036
1027
1113 1040 1017
1113 1047 973
1133 1067 1017
1147 1110 1064 1150
1110 1060 1060 1150
1133 1113 1083 1150
1133 1017 993 1147 927 557
1133 997 907 1033 1150 557
1053 1000 1033 557
960
887
927
Co
Co
Co
Co
Co

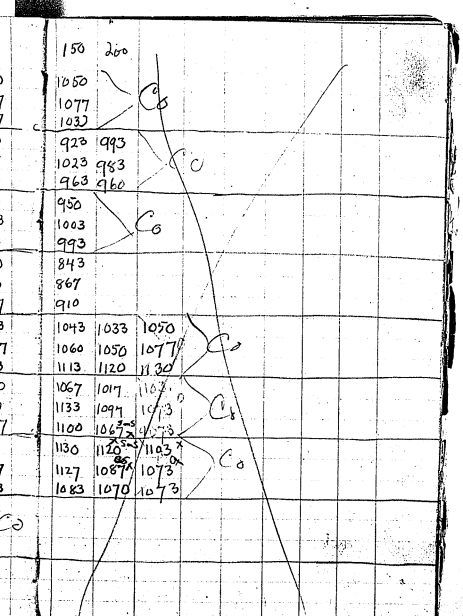
	Cold	50	100	
Rep Dup 7668 Exact dupn (leached out by NH_4 NH_4SO_4 – no KOH – 4 6/24 '08	7670	1140	1080	1060
	7671	1157	1040	1033
21% K	7672	1140	1020	1013
Dup 7670	7673	1073	1223	1107
21% K 2 Lioh.	7674	1073	1223	1110
	7675	1070	1213	1077
Dup 7668 Gently washed strong NH_4SO_4 wash slightly-colored – 6or 7 KOH.	7682	1113	1057	1043
	7683	1117	1063	1067
21% K	7684	1117	1077	1063
Dup 7682	7685	1023	1210	1117
21% K 2 LiOH.	7686	1003	1193	1050
	7687	1000	1210	1107
green oxed $AgSO_4$ –	7691	980	1210	1043
21% K 2 LiOH.	7692	957	1190	1107
	7693	983	1200	1097
Picked out green 708 float dried denser+hard – 7.3 gen ox	7716	967	1133	1017
21% K 2 LiOH	7717	953	1123	970
	7718	970	1107	977
Rep taken off ½ thick ox from 708 –	7722	1127	910	813
21% K 2 LiOH.	7723	1133	933	840
	7724	1120	950	847
Dup 7722 "flake Twice thick of Rep 10001	7725	1033	987	1000
	7726	1037	987	1000
21% K	7727	1027	987	1013
Dup 7725	7728	913	1067	967
21% K 2 LiOH.	7729	927	1067	970
	7730	930	1063	973

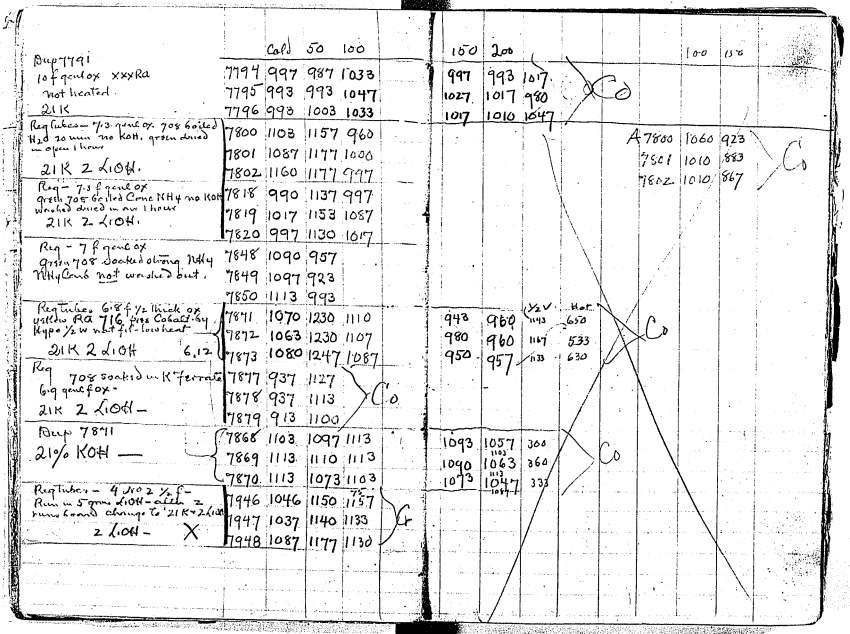


		Cold	50	100
Reg tubes 4 f general ox 12 hrs green 70° 30 mesh 21% K	7731	1100	1017	1027
	7732	1103	1037	1047
	7733	1103	1060	1047
Dup 7731 21% K 2 LiOH.	7734	1050	1137	1023 X
	7735	1033	1157	1067
	7736	1040	1110	1023
Reg tubes – 6·9 gen ox f 24 70° – 21% K 5 grms K_2CO_3 2 LiOH.	7743	1023	1140	1090 X
	7744	1033	1123	1023
	7745	1027	1150	1093
Dup 7743 5 grms K_2CO_3 – 21% K 3 grms LiOH.	7746	1020	1220	1040
	7747	1033	1213	1070
	7748	1000	1210	1040
Dup 7743 8 grms K_2CO_3 21% K. 3 grms LiOH –	7749	1000	1190	1117 X
	7750	997	1160	1063
	7751	1027	1157	1103
Reg tubes 4 gen f ox Oldhaird green 21% K 5.15	7752	1017	960	957
	7753	1033	940	930
	7754	1030	990	957
Dup 7752 21% K 2 LiOH.	7755	900	967	867
	7756	893	953	840
	7757	870	903	823
Dup 7756 21% K 2 LiOH COLD	7758	887	983	900
	7759	867	928	800
	7760	867	977	897
Reg tubes – 4·2 f ½ ox brand – Smiles work 7719 tubes Ra 707 ÷ the filtered tubes 21%	7761	1230	1083	1000
	7762	1230	1117	1017



		Cold	50	100	150	200
Req- 7 ff general ox 767 ½ w fif-low in- on hot plate 1 hour cooled used 21% K 557	7767	1110	1087	1080	1050	
	7768	1093	1087	1097	1077	
	7769	1093	1073	1067	1030	
Dup 7767 21% K 2 Li OH.	7770	1030	1147	1100	923	993
	7771	1007	1157	1137	1023	983
	7772	1027	1170	1113	963	960
Dup 7767 √ but 708 warmed ½ h cooled 7.4 ff 24.2 568	7773	1110	1003	1000	950	
	7774	1110	1020	1033	1003	
	7775	1103	1013	1013	993	
Dup 7773 21 K 2 Li OH.	7776	980	1143	1080	843	
	7777	977	1170	1113	867	
	7778	967	1157	1157	910	
Regulation- RA XXX 1 wash before filter- 7.4 gen ox 24.3 631	7782	1043	1000	1063	1043	1033
	7783	1043	1030	1077	1060	1050
	7784	1077	1073	1123	1113	1120
Dup 7782 21K 2 Li OH.	7785	1043	1133	1140	1067	1017
	7786	1077	1177	1180	1133	1097
	7787	1077	1183	1167	1100	1067
Dup 7782 XXX Ra 6 min heated then cooled 7 gen ox 21K — 620	7788	1080	1083	1147	1130	1120
	7789	1083	1077	1147	1127	1087
	7790	1060	1040	1103	1083	1070
Dup 7782 10 ff gen ox 21K.	7791	1017	1023			
	7792	1007	1007			
	7793	983	983			




Cal 50 100
Dup 7791
10 f gen ox xxyRa
not heated
21K
7794 997 987 1033
7795 993 993 1047
7796 993 1003 1033
Reg tubes — 7/3 gen ox 708 boiled H2O 20 min no KOH. green dried — open 1 hour
21K 2 10H.
7800 1108 1157 960
7801 1087 1177 1006
7802 1160 1177 997
Reg — 7.3 f gen ox greth 708 boiled Conc NH4 no KOH washed dried in air 1 hour
21K 2 10H.
7818 990 1137 997
7819 1017 1158 1087
7820 997 1130 1017
Reg — 7 f gen ox green 708 soaked obtuse NH4 NH4Cl 2 not washed but.
7848 1090 957
7849 1097 923
7850 1113 993
Reg tubes 6.8 f 1/2 thick ox xyRa 716 fire Cobalt 60 Rxyl 1/2 in wet fil — low heat
21K 2 10H 6,12
7871 1070 1230 1110
7872 1063 1230 1107
7873 1080 1247 1087
Reg 708 soaked in K ferrate 6.9 gen ox
21K 2 10H —
7877 937 1127
7878 937 1113
7879 913 1100
Dup 7871
21% KOH —
7868 1103 1097 1113
7869 1113 1110 1113
7870 1113 1073 1103
Reg tubes — 4 10 2 1/2 f — Run in 5 gm 10H — with 2 runs round change to 21K+2.6H
2 10H — X
7946 1046 1150 1157
7947 1037 1140 1133
7948 1087 1177 1130
150 200 100 135
997 993 1017
1027 1017 980
1017 1010 1047
A 7800 1060 923
7801 1010 883
7802 1010 867
948 960 1143 632
980 960 1147 533
950 957 633 630
1093 1057 1103 304
1090 1063 1115 360
1093 1047 1097 333
Hot

XXX Square flake 1/2 thick

		Cal	50	100
Rep Tubes – Nº 2 of 1/2 4f. 24 708 in $HgCl_2$ 24 hours washed free $HgCl$ — 21K 6.60.	1/2	7952	1140	1083	1097
		7953	1100	1043	1090
		7954	1100	1083	1113
Dup 7952 21K 2 .10H. 6.38	1/2	7955	1077	1130	917
		7956	1083	1133	930
		7957	1063	1150	963
Dup 7952 Except green soaked 48 hours dehisc out of $HgCl_2$ 24 hours soaked out no IKOH. 6.53 21%	1/2	7958	1110	1080	1063
		7959	1130	1097	1107
		7960	1137	1077	1037
Dup 7958 21K 2 .10H.	1/2	7961	1030	1207	1050
		7962	1027	1193	1010
XXX 6.51		7963	1020	1213	1027
Replicken 3:9 1/2 Box 2 hour soak Conc KOH – NH_4Cl washed Rote water 2 or 3 times dried boiled Brick in oven Square flakes 21% 6.02		8024	907	933	970
		8025	860	893	923
		8026	857	883	903
Dup 8024 21% K 2 .10H –	1/2	8027	970	1233	1177
		8028	987	1283	1210
		8029	1007	1300	1283
Dup 8024 – Except green soaked same soap quick wash once – dried Brick K 3:9 1/2 ox 708 24 – square f. 21 1/2 K		8030	883	893	890
		8031	893	887	893
		8032	907	937	923
Dup 8030 21K 2 .10H. 4.2 1/2 ox		8033	1017	1290	1257
		8034	1017	1263	1283
		8035	1017	1283	1287

Rubber 7 times

150	200	250	250 1/2	Hot 300	1/2		
1027	950	927					
1050	973	953					
1063	1010	970					
830	857						
830	840						
820	850						
943							
953							
927							
867	933						
823	847						
883	863						
970	957	827	1010	887			
913	900	797	967	857			
900	867	743	900	340			
1113					973	1113	783
1170					933	1067	720
1080					903	1020	657
1267	1117				887	933	543
1247	1117				890	1033	743
1267	980				987	1023	683

Boiling green soaked in $HgCl_2$ sup 20 or 25% 10 min then in 21 hour 10 min then in water 1 hour .10H – Wohl, S

	Col	50	100	150	200	250 (Reversed 250½	Tube equiv Can Ind
Replicates from Hybrid Same as run 7619 — but ½ strength Seed 2 min 1 min Inoculum dried — 6 all K — 4.5 ½ ox 2.0 % 21K Repeat of	8036	1017	1017				
	8037	977	960	983			
	8038	983	980	1020			
Dup 8036 21K 2 Lioh.	8039	1030	1200	1133	1157	1130	
	8040	1000	1200	1178	1168	1183	
	8041	1037	1217	1160	1180	1213	
Dup 8036 Except ¼ strength 4.5 ½ ox 2.0% K	8042	1213	1080	1087			
	8043	1270	1050	1047			
	8044	1213	1057	1040			
Dup 8042 2.0% KOH 2 LiOH.	8045	1137	1253	1163	1113	907	1063 583
	8046	1168	1177	1040	997	850	1000 603
	8047	1127	1203	1123	1047	813	1017 633
1/8 th strength Bi Sal 4.5 ½ ox - 21K	8048	1097	1017	927			
	8049	1087	977	933			
	8050	1043	997	940			
Dup 8048 21K 2 LiOH.	8051	1093	1230	1173	1117	936	1080 617
	8052	1100	1240	1143	1050	857	1063 677
	8053	1100	1217	1130	1050	857	1062 657
1/16 strength. 21K	8054	1123	957	943			
	8055	1083	907	933			
	8056	1110	917	940			
Dup 8054 21K 2 LiOH -	8057	1047	1147	1083	933		
	8058	1033	1150	1047	903		
	8059	1023	1103	1040	887		

To Holland

	Cold	50	100		150	200	250	250½	Hot
Reg tubes: 7. or reg thick 70# — 21K 2 gms silicate K	8060	963	1010	817					
	8061	948	1027	863					
	8062	987	1033	847					
Dup 8060 21K 2 gms LiOH 2 gm silicate K	8063	1010	1070	733					
	8064	1040	1088	690					
	8065	1003	1033	623					
Dup 8050 21K 2 LiOH. 3 silicate K	8066	990	978	567					
	8067	990	947	620					
	8068	997	857	580					
Dup 8060 21K 2 LiOH 4 Silicate K	8069	940	827						
	8070	930	790						
	8071	867	717						
Dup 8060 21K 2 LiOH. 5 silicate K	8072	650	370						
	8073	827	517						
	8074	780	463						
Reg tubes 4½ flex 70# soaked Conc Pot of NH_4Cl 5 min — no wash boiled KOH. unwashed tubes K — dried before KOH. 633	8075	1023	1063	1037	987	983	820	1053	303
	8076	1023	1053	1047	947	967	953	1054	306
	8077	1000	1057	1053	983	983	880	1067	333
Dup 8075 21K 2 LiOH	8078	1137	1303	1427	1247	1177	1100	1418	847
	8079	1080	1267	1377	1213	1180	1160	1410	817
	8080	1130	1333	1407	1233	1200	1160	1400	787
Dup 8075 Soaked 10 min 4:3 for ½	8081	1107	1193	1173	1153	1120 1170	1050	1127	253
	8082	1160	1153	1147	1160	1133 1190	1000	1120	310
	8083	1090	1190	1167	1127	1100 1197	973	1067	293

½ Hour test

350 R

8081	1153	1277	500
8082	1247	1367	473
8083	1213	1327	533

Co ½ hour test

Hard to Handle

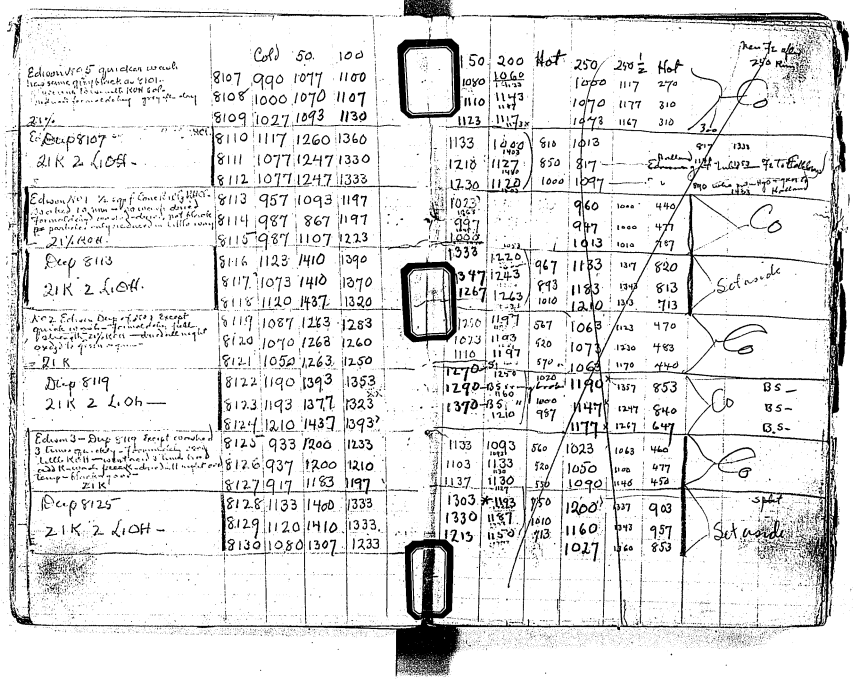
Put Light Mixture with 21K 2 LiOH 300 R

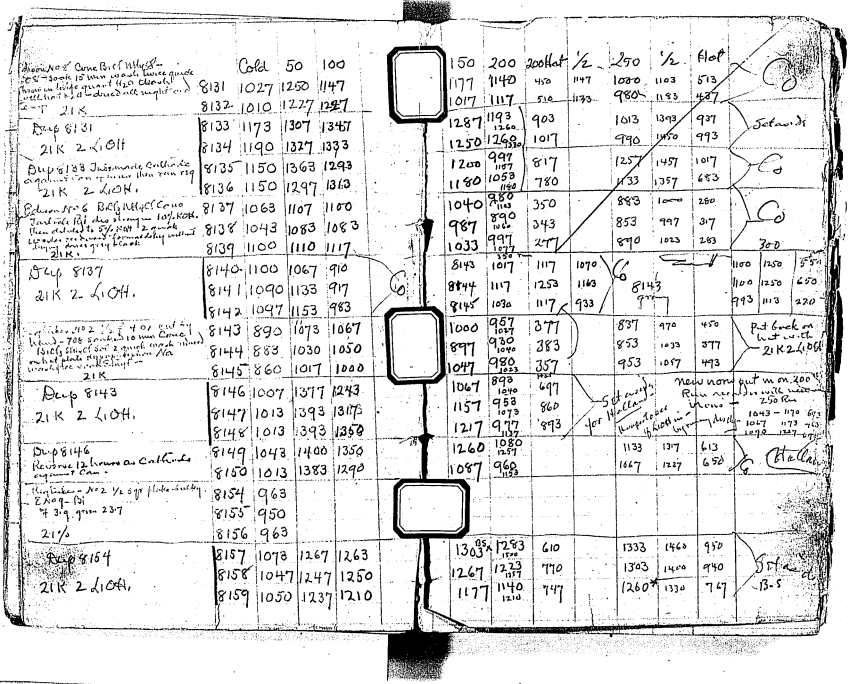
1150	1267	447
1127	1253	473
1127	1160	323

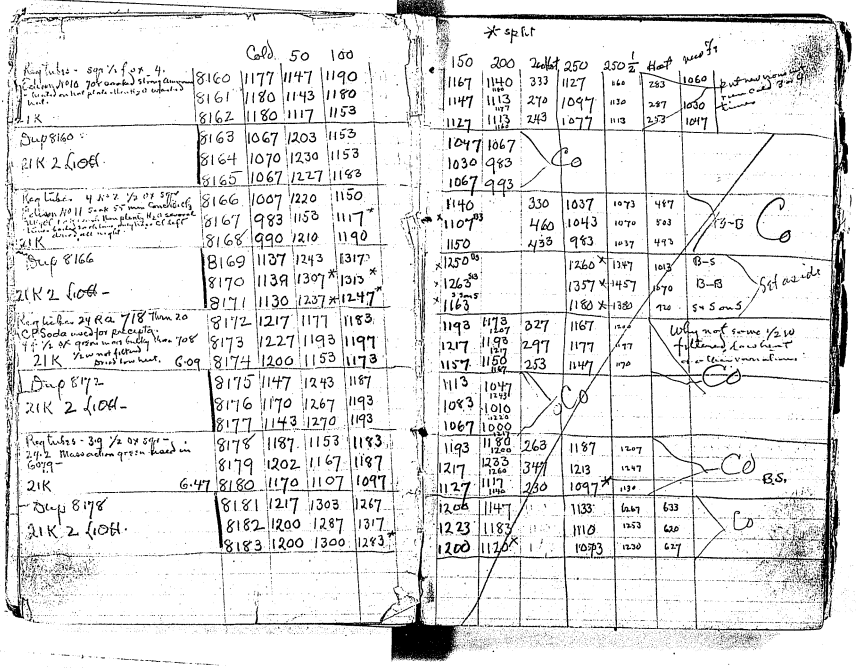
X to be run off same as last on the 2d and 3d Chromosphere

	Cols	50	100	
Dup 8081				
21K 2 Lioh.	8084	1230	1470	1437
	8085	1227	1460	1420
6,6,6	8086	1220	1413	1400
Dup 8086				
Except sand(e) 20 inches on	8087	937		1150
Bot & left of Cone	8088	943		1150
21K	8089	943		1117
Dup 8087				
21½K 2 Lioh. X	8090	1090	1333	1347
	8091	1100	1357	1297
	8092	1080	1340	1307
Dup 8075				
Except work 18 mm Bi Sat - no wash - dried - sanded or run 2 mm - no wash - Run Co & Koh - under fire Koh.	8093	910	1167	1147
	8094	917	1160	1133
21K-	8095	930	1177	1180
Dup 8093				
21K 2 Lioh.	8096	1087	1097	1310
	8097	1087	1273	1267
	8098	1060	1263	1267
Dup Index ½ f - 93 f copy green drilling mm - 93 f 8098 buff filter. Index Koh - formulate 93 f 8098	8099	1057	1127	1137
21K 8100 has 21K 2 Lioh.	8100	1093	1253	1283
Dup Index copy for 2 - 1 f Easy to mix Repeat on Sodium Koh glycerol formula for 2 mm - no wash - dried - Temperature - Koh - under fire - not much - easy on 93	8101	1023	1063	1057
	8102	1000	1063	1067
21½K	8103	987	1067	1067
Dup 8101				
21K 2 Lioh.	8104	1123	1247	1287
	8105	1103	1227	1300
	8106	1067	1227	1327
	5=6	4=0		
8084 1210	1530	1067	1190	1357 1070
85 1277	1577	1110	1000	1473 1140
86 1217	1530	1100	1103	1380 1030

150	200	200 flat	2 on ½	250	½	Hot	300	½	Hot
1343	1240	1137		1240	1483	1053	1253	1474	1137
1330	1313	1150		1317	1583	1097	1296	1473	1040
1263	1230	1120		1213	1533	1040	1240	1417	1470
1080	1047	387		988	1063	833	Change		
1110	1060	423		1007	1093	377	21 Koh 2		
1093	1077	347		1073	1137	320	Lioh —		
							4 pt Fine Co bottles		
8087	1343	1477	1137				1243	1363	570
8088	1340	1440	643	8087			1253	1400	583
8089	1282	1403	1087	8089			1243	1370	550
1113	1120	503	1113	1067	1107	420			
1107	1107	440	1107	997	1033	570			
1110	1050	440	1093	967	990	567			
1230	1130			1160	1330	857			
1210	1193			1097	1363	930	Set aside		
1210	1180			1127	1380	737			
Co									
1170	1113			1117	1420	953	given to Nellie		
Co									
1170	1067			1067	1353	827			
1173	1033			987	1320	727	Set aside		
1200	1163			1150	1460	717			
8084	997	1137	950						
85	923	1273	1093						
86	860	1223	777						







Co. 50 100

Rep tubes - sep ½ for 4.
Callam NP10 pot combed string among (circled) on hot plate illuminated outside limit.
21K 8160 1177 1147 1190
8161 1180 1143 1180
8162 1180 1117 1153

Dup 8160
21K 2 Lo6H
8163 1067 1203 1153
8164 1070 1230 1153
8165 1067 1227 1183

Rep tubes - 4 ½" x ½ ox sep
Callam NP11 Crook 55 mm Conditioned
Bio ppt. Fair ... thin plants. Mass seedling
21K
8166 1007 1220 1150
8167 983 1158 1117*
8168 990 1210 1190

Dup 8166
21K 2 Lo6H -
8169 1137 1243 1317*
8170 1139 1307* 1313*
8171 1130 1237* 1247*

Rep tubes 24 Ra 7/8 Thin 20
CP Soda mix for pulp to
7 ½ ox grain mass fully Thin 708
21K Yeu not filtered
8172 1217 1177 1183
8173 1227 1193 1197
8174 1200 1153 1173

Dup 8172
21K 2 Lo6H -
8175 1147 1243 1187
8176 1170 1267 1193
8177 1143 1270 1193

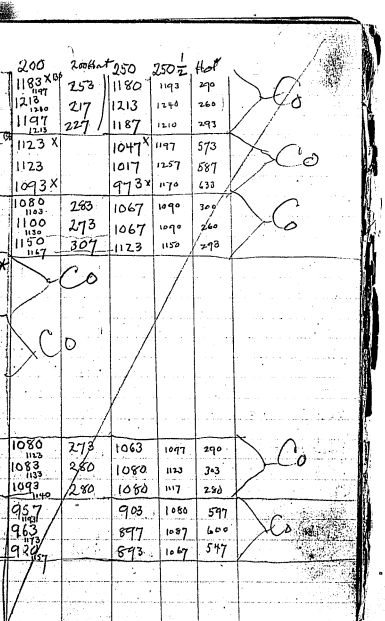
Rep tubes - 3g ½ oz sep -
24.2 Mass adam green based in 60g9 -
21K 6.47
8178 1187 1153 1183
8179 1202 1167 1187
8180 1170 1107 1097

Dup 8178
21K 2 Lo6H
8181 1217 1303 1267
8182 1200 1287 1317
8183 1200 1300 1283*

* sp fit

150	200	2olbt	250	250 ½	Hot	mod ½	
1167	1140	333	1127	1160	283	1060	pot may yeast
1147	1113	270	1097	1130	287	1030	Thin and Tan
1127	1113	243	1077	1113	273	1047	
1047	1067						
1030	983	Co					
1067	993						
1140		330	1037	1073	447		
1107		460	1043	1070	503		13-B Co
1150		438	983	1037	443		
1250			1260	1347	1013		B-S
1263			1357	1457	1570		B-B Sgt at side
1163			1180	1380	720		S-S on S
1198	1178	327	1167	1200			Why not some ½ 20
1217	1198	297	1177	1177			filtered Low heat
1157	1150	253	1147	1170			Co
1113	1047						
1083	1010	Co					
1067	1000						
1193	1180	263	1187	1207			
1217	1233	347	1213	1247			Co
1127	1117	260	1097	1130			B.S.
1208	1147		1133	1167	633		
1223	1183		1110	1253	620		Co
1200	1120		1073	1230	627		

		Cold	50	100	150	200	2nd heat 250	250 1/2 Hot		
Reg Lieber No 2 ½ oz off filtered + heated	8184	1200	1170	1197	1200	1183 X Dup 1197	253	1180	1193	290
Regular wire plated cups	8185	1207	1200	1220	1223	1218 1240	217	1213	1240	260
21K 6.22	8186	1167	1177	1190	1183	1197 1213	227	1187	1210	293
Dup 8184	8187	1193	1267	1277	1130 X Dup	1123 X		1047 X	1197	573
21K 2 Lich.	8188	1190	1313	1330	1180	1123		1017	1257	587
	8189	1197	1300	1297	1133	1093 X		973 X	1170	633
Reg Lieber. No 2 ½ oz off — Dup 12 Gortes Using whole KM. in each cup — 1 gm Ni Cl2 to 1 gm Ni Cl2 to 1 gm Ni Cl2 to 1 gm Ni Cl2 to 1 gm Ni Cl2	8190	1130	1063	1090	1093	1080 1103	283	1067	1090	309
	8191	1173	1108	1097	1110	1100 1130	273	1067	1090	260
21K	8192	1183	1137	1180	1163	1150 1167	307	1123	1150	298
Dup 8190	8193	1043	1170	1120	990 X					
21K 2 Lich.	8194	1093	1223	1137	1080					
	8195	1040	1177	1133	947					
Dup 8190 - cut Edison 13 gpl Sorbet Cone KCl left in drink) Then made in Tanks KCl Sorbet cut	8196	1097	1047	1083	1040					
	8197	1057	1023	1057	1053					
21K	8198	1080	1023	1057	1043					
Dup 8196	8199	970	1133	1080						
21K 2 Lich.	8200	977	1130	1080						
	8201	997	1133	1033						
Special pure Nickel Lieber, ni cone grids short — ni imp — 24 g yds 3 g ½ oz opg.	8220	1223	1160	1180	1127	1080 1123	273	1063	1097	290
	8221	1217	1140	1173	1123	1083 1133	280	1080	1123	343
21K 6.04	8222	1226	1147	1157	1113	1093 1140	280	1080	1117	250
Dup 8220	8223	1117	1263	1176	940	957 1163		903	1080	597
21K 2 Lich.	8224	1117	1263	1170	940	963 1173		897	1087	600
	8225	1110	1266	1180	920	930 1157		893	1067	547



		Cold	50	100
Dup 8220 CP Nickel grid tube 25 K 2 Lioff.	8226	1283	1360	1287
	8227	1260	1353	1243
	8228	1283	1353	1153
Dup 8220 CP Ni grid tube 27 K 2 Lioff. (wire inside 3 holes made always)	8229	1370	1433	1383
	8230	1360	1433	1333
	8231	1367	1433	1353
Reg tube - K 33 237 No 2 ox ½ Bag - Edison 17 Carb Slovenia precip in pores 1708 21 K	8232	1237	1177	1200
	8233	1223	1167	1197
	8234	1227	1183	1198
Dup 8232 21 K 2 Lioff.	8235	1107	1223	1200
	8236	1117	1230	1213
	8237	1107	1197	1147
Dup 8232 except Edison 16 - 13a Carb precip in pores - 21 K	8238	1210	1130	1170
	8239	1197	1123	1147
	8240	1213	1143	1167
Dup 8238 21 K 2 Lioff.	8241	1088	1210	1147
	8242	1066	1207	1140
	8243	1053	1200	1143
Dup 8232 - E 15 gram anode 100 cc 20 gram Nickel Soy 6 hour 1 quick read down - made into tube 11 hour 6 cold 800 C. down - 6 cold 4 hot - put into 21 K Roff.	8244	1140	1087	1130
	8245	1140	1087	1140
	8246	1147	1093	1123
Dup 8244 21 K 2 Lioff.	8247	1027	1233	1150
	8248	1087	1197	1080
	8249	1050	1233	1140

	150	200	200 Hot	250	½	Hot	300	½	Hot
	847	893	503						
	907	947	507						
	1783	1830	447						
	1853	883	613						
	1936	1880	473						
	1947	860	666						
	1187	1153	340	1157	1187	243	1150	1173	367
	1170	1153	320	1133	1163	203	1110	1143	390
	1183	1177	297	1163	1197	343	1140	1167	433
	990	943	507						
	973	967	543						
	950	953	543						
	1143	1117	387	1143	1133	380	1090	1113	433
	1113	1083	377	1057	1100	343	1060	1093	433
	1143	1127	363	1097	1130	373	1097	1127	416
	1037	1090	627						
	1037	997	630						
	1040	1040	633						
	1117	1083	277						
	1130	1107	300						
	1077	1063	260						
	1013	833	553						
	923	773	557						
	993	890	567						

Notes	No.	Cold	50	100	150	200	200 Hot	250	1/2	Hot	
Reg. tubes oxidized just little Reacted CgH. 1/2 ox sqr 21K	8256	1210	1083	1130	1100	1063 (1100)	247	1050	1073	253	Co
	8257	1217	1107	1117	1110	1083 (1113)	240	1067	1100	233	
	8258	1210	1080	1097	1077	1043 (1060)	270	1040	1067	247	
Dup 8256 21K 2 LiOH.	8259	1130	1197	1143	917	933 (1193)	533				Co
	8260	11.20	1210	1130	890	957 (1177)	517				
	8261	1117	1213	1140	943	977 (1127)	530				
Dup 8256 Except tubes ox more a peacock- 3.9 1/2 f sqr 708- 21K	8262	1193	1083	1083	1067	1063 (1077)	267	1063	1080	220	Co
	8263	1207	1057	1100	1057	1013 (1030)	243	1030	1050	230	
	8264	1210	1097	1117	1067	1077 (1097)	267	1083	1113	210	
Dup 8262 21K 2 LiOH—	8265	1113	1230	1177	1000	1020					Co
	8266	1127	1220	1133	977	1003					
	8267	1103	1207	1177	933	970					
Tubes oxidized black & higher shows matte— 3.9 1/2 23.9 708 21K	8268	1023	643	Co							
	8269	1080	647								
	8270	1097	757								
Dup 8268 21K 2 LiOH—	8271	1100	1097								
	8272	1100	1053								
	8273	1110	1097								
Reg tubes 1/2 ox sqr E 18 soaked 21K with 5 gm Iodide K—Then washed out— 21K 2 LiOH—	8277	1067	1207	Co							
	8278	1087	1220								
	8279	1050	1210								
Reg tube. 1/2 ox sqr E 19—soaked alone HgCl washed out—no KOH. 21K	8280	1230	1133	1133	1057						Co
	8281	1223	1150	1110	1083						
	8282	1223	1107	1140	1057						
Dup 8280 - 21K 2 LiOH —	8283	1127	1220	1117	820	900					C
	8284	1120	1217	1117	853	860					
	8285	1107	1230	1103	863	867					

3)3354 1118

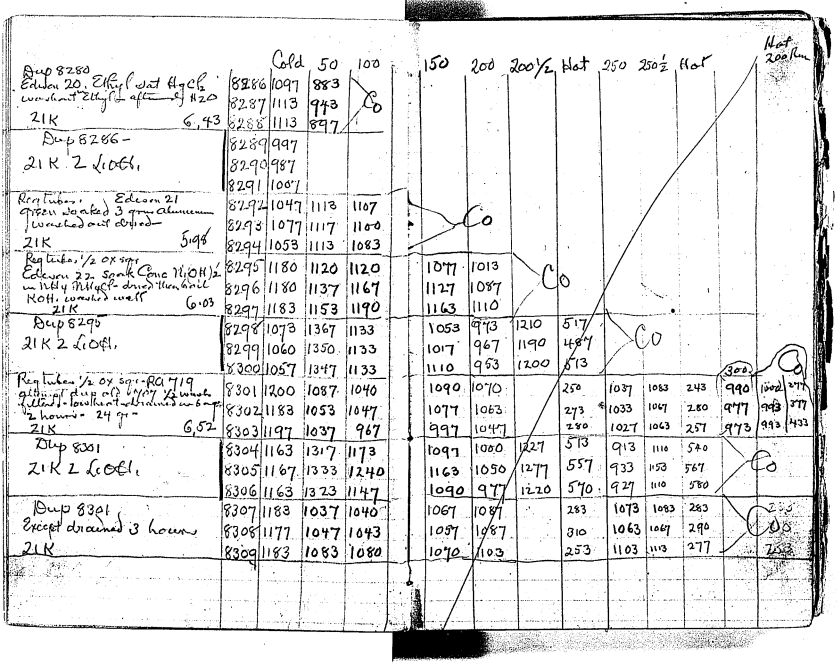
1118 851 267

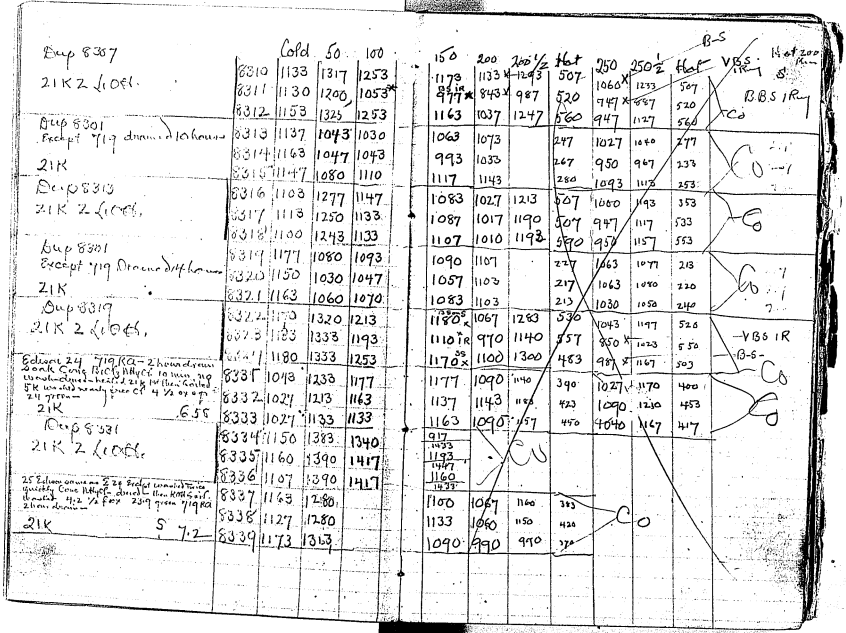
1225 1066 159

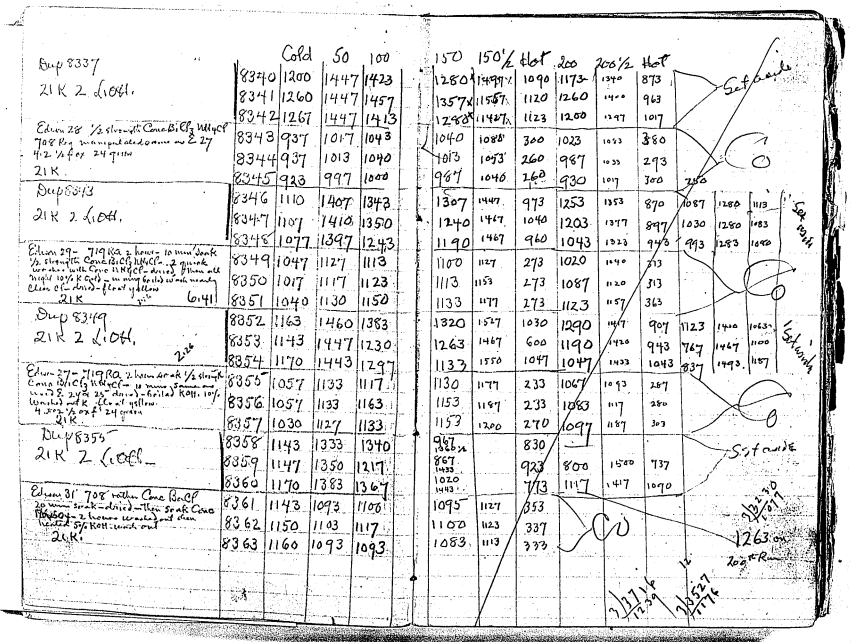
3)3197 1066

3)2556 851

see also 7955 & 7965 — Highly same by [illegible] [illegible] with Li [illegible]


Cold
50
100
150
200
200½
Hot
250
250½
Hot
Hot 200/lm
Dup 8280
Edison 20. Elkyl wet HgCl₂
constant Elkyl after 4g H2O
21K 6,43
8286 1097 883
8287 1113 943
8288 1113 897
Dup 8286 –
21K 2 Lio6l.
8289 997
8290 987
8291 1007
Reg tubes. Edison 21
green soaked 3 grs aluminum
inverted wet dried
21K 5,98
8292 1047 1113 1107
8293 1077 1117 1100
8294 1053 1113 1083
Reg tubes, ½ ox sqr.
Edison 22. Spark Conc NiOH)2
in 1% MHgCl2 dried then drill
KOH. cooled well
21K 6.03
8295 1180 1120 1120
8296 1180 1137 1167
8297 1183 1153 1190
1077 1013
1127 1087
1163 1110
Dup 8295
21K 2 Lio6l.
8298 1073 1367 1133
8299 1060 1350 1133
8300 1057 1347 1133
1053 943 1210 517
1017 967 1190 484
1110 953 1200 513
Reg tubes ½ ox sqr-RQ 719
gilt wire flap off 6/1/07 ½ inches
filled - soaked wet drained in oven
2 hours - 24 gr -
21K 6,52
8301 1200 1087 1040
8302 1183 1053 1047
8303 1197 1037 967
1090 1070 250 1037 1083 243 990 1062 277
1077 1063 273 1033 1067 280 977 943 277
997 1047 280 1027 1063 257 973 993 433
Dup 8301
21K 2 Lio6l.
8304 1163 1317 1173
8305 1167 1333 1240
8306 1163 1323 1147
1097 1080 1227 513 913 1110 540
1163 1050 1277 557 933 1153 567
1090 977 1220 570 927 1110 580
Dup 8301
Except drained 3 hours
21K
8307 1183 1037 1040
8308 1177 1047 1043
8309 1183 1083 1080
1067 1087 283 1073 1083 283
1097 1087 310 1063 1067 290
1070 1103 253 1103 1113 277


Exp 8307
21K 2 Loops.
Exp 8301
Except 719 drawn Isotherms
21K
Exp 8313
21K 2 Loops.
Exp 8301
Except 719 Drawn Isotherms
21K
Exp 8319
21K 2 Loops.
Exp 8331
21K 2 Loops.
21K
Cold 50 100
150 200 200½ Hot 250 250½ Hot
B-S
VBS IR
B-S-
Not 200
8310 1133 1317 1253
8311 1130 1200 1053
8312 1158 1325 1253
8313 1137 1043 1030
8314 1163 1047 1043
8315 1147 1080 1110
8316 1108 1277 1147
8317 1118 1250 1133
8318 1100 1243 1133
8319 1177 1080 1093
8320 1150 1030 1047
8321 1163 1060 1070
8322 1170 1320 1213
8323 1183 1333 1193
8324 1180 1333 1253
8331 1048 1238 1177
8332 1024 1213 1163
8333 1027 1133 1133
8334 1150 1383 1340
8335 1160 1390 1417
8336 1107 1390 1417
8337 1163 1280
8338 1127 1280
8339 1173 1313
1179 1133 1243 507 1060 1233 507
977 843 987 520 947 867 520
1163 1037 1247 560 947 1127 560
1063 1073 247 1027 1040 277
993 1033 267 950 947 233
1117 1143 280 1093 1113 253
1083 1027 1213 507 1060 1143 353
1087 1017 1190 507 947 1117 533
1107 1010 1193 580 950 1157 553
1090 1107 227 1063 1077 213
1057 1103 217 1063 1080 220
1083 1103 213 1030 1050 240
1180 1067 1283 530 1043 1197 526
1110 970 1140 557 850 1023 550
1170 1100 1300 483 987 1167 503
1177 1090 1140 390 1027 1170 400
1137 1143 1153 423 1090 1230 453
1163 1090 1257 450 1040 1167 417
917
1193
1160
1100 1067 1160 383
1133 1060 1150 420
1090 990 990 370
Edison 24 719 Ka - 2 hour drum
Soak Cond Back Press to max 30
Unthrottled heat 1 21K to Max Cooled
5K to 150 and soak 1 hour Cool 4 ½ ox 4 P
24 green
21K 6.55
25 Edison drum on 24 Soak at temperature
quickly, Cond Press down to max 5 psi
throttle ½ to ½ Exp 209 green 719 Ka
2 hour drum
21K 5 7.2



Dup 8337
21K 2 Lioth.

Edsen 28 ½ strength Conc Bi Cl₂ 1½ hr of 7.08 Reg in unspecified amount in 2 27 4-2 ½ for 24 grow
21K

Dup 8343
21K 2 Lioth.

Edsen 29 7.19 RA 2 hours 10 min soak ½ strength Conc Bi Cl₂ 1½ hr of 2 grow in water with Conc 11 NaOH during grow all night 10% KOH in morning finish wash many times clear-cloud-floc-yellow
21K 6:41

Dup 8349
21K 2 Lioth.

Edsen 27 7.19 RA 2 hour soak ½ strength Conc Bi Cl₂ 1½ hr of 2 grow in water with NaOH 10 hours grow not over 5 24 hr 25° dry - boiled KOH, 10% (wanted soft clear yellow 4 grow ½ hr of 24 grow
21K

Dup 8355
21K 2 Lioth

Edsen 31 7.08 reg Conc Bi Cl₂ 20 min soak - dried - then soak Conc Bi Cl₂ 30 ½ hours (wanted) and then heated 5% KOH wash out
21K

	Cold	50	100
8340	1200	1447	1423
8341	1260	1447	1457
8342	1267	1447	1413
8343	937	1017	1043
8344	937	1013	1040
8345	923	997	1000
8346	1110	1407	1343
8347	1107	1410	1350
8348	1077	1397	1243
8349	1047	1127	1113
8350	1017	1117	1123
8351	1040	1130	1150
8352	1163	1460	1383
8353	1143	1447	1230
8354	1170	1443	1297
8355	1057	1133	1117
8356	1057	1133	1163
8357	1030	1127	1133
8358	1143	1333	1340
8359	1147	1350	1217
8360	1170	1383	1367
8361	1143	1093	1100
8362	1150	1103	1117
8363	1160	1093	1093

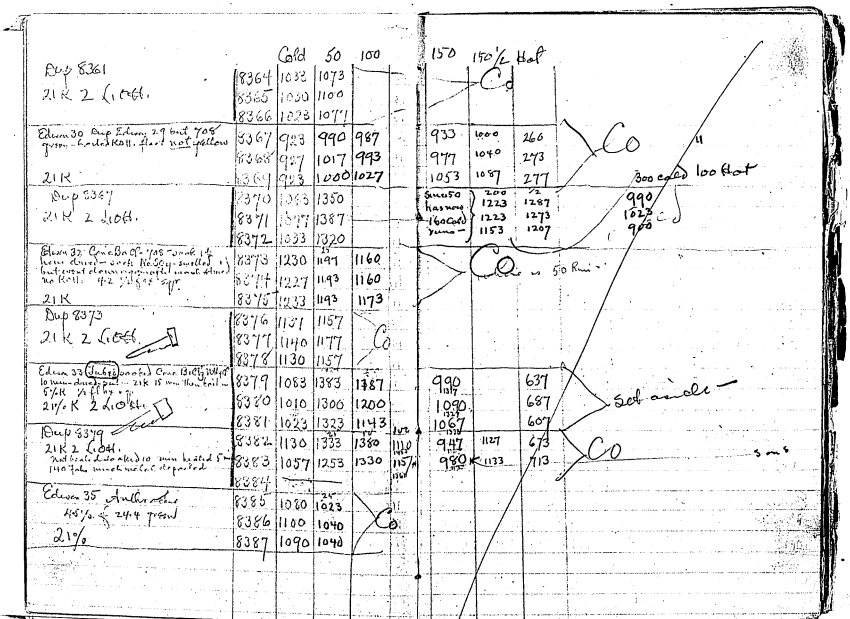
150	150½ hot	200	200½ hot	
1280	1497	1090	1173	1340
1357	1457	1120	1260	1400
1288	1447	1123	1200	1397
1040	1088	300	1023	1093
1013	1053	260	987	1035
967	1040	260	930	1017
1307	1447	973	1253	1353
1240	1447	1040	1203	1377
1190	1467	960	1043	1323
1100	1127	273	1020	1140
1113	1153	273	1087	1120
1133	1177	273	1123	1157
1320	1527	1030	1290	1447
1263	1467	600	1190	1420
1137	1550	1047	1047	1403
1130	1177	233	1067	1093
1153	1197	233	1083	1117
1153	1200	270	1097	1187
987 1020		830		
867 1033		923	800	1580
1020 1043		773	1117	1417
1095	1127	853		
1107	1123	337		
1083	1113	333		

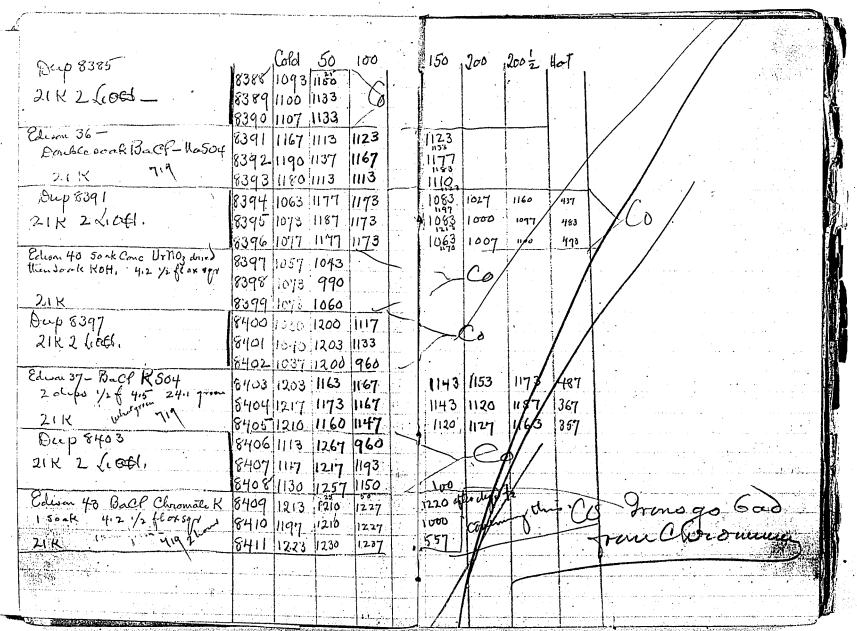
Set aside

Set aside

1263 on 2nd R

1123	1420	1063	
767	1467	1100	
837	1493	1187	


Cold 50 100
150 150½ Flat
Dup 8361
21K 2 Lobed.
8364 1032 1073
8365 1050 1100
8366 1028 1071
Edison 30 Dup Edison 29 but 70% grain - heated Roll. Start not follow
8367 983 990 987
8368 997 1017 993
21K 8369 983 1000 1027
933 1000 266
977 1040 273
1053 1087 277
Co
300 cold 100 Flat
Dup 8367
21K 2 Lobed.
8370 1363 1350
8371 1377 1387
8372 1033 1320
Same 50 1223 1287
Hasmig 1223 1273
Yuma 1153 1207
990
1022
960
Edison 32 Cone Bar 70% work left heavy draft work No 99 swelled as before reducing rapidly until draw in Roll. 42 21/32 sq.
8373 1230 1197 1160
8374 1227 1193 1160
21K 8375 1233 1193 1173
Co w 50 Run
Dup 8373
21K 2 Lobed.
8376 1131 1157
8377 1140 1177
8378 1130 1157
Co
Edison 33 Duplicate of Cone Barly Worked 10 min during pass - 21K 15 min then Roll - 5/16 K 1/8 Flat - 21% K 2 Lobed
8379 1083 1383 1387
8380 1010 1300 1200
8381 1023 1323 1143
990 637
1090 687
1067 607
Set aside
Dup 8379
21K 2 Lobed.
Material Looked 10 min heated 5 min 70% work left as before
8382 1130 1333 1380 1110
8383 1057 1253 1330 1157
8384
9477 1127 673
980 1133 713
Co
Edison 35 Another Ingot
4 5/16 x 2.44 from
21%
8385 1080 1023
8386 1100 1040
8387 1090 1040
Co


Cold
50
100
150
200
200 1/2
Hot
Dup 8385
21K 2 Loops
8388 1093 1150
8389 1100 1133
8390 1107 1133
Edium 36 –
Em Surface oxide Ba(OH)2 – Na2SO4
21K 719
8391 1167 1113 1123
8392 1190 1137 1167
8393 1180 1113 1113
1123
1177
1110
Dup 8391
21K 2 Loops.
8394 1063 1177 1173
8395 1073 1187 1173
8396 1077 1147 1173
1063 1027 1160 437
1063 1000 1077 483
1063 1007 1170 493
Co
Edium 40 Soak Conc UO2(NO3)2 dried then soak KOH, 4.2 v/s flow 719
21K
8397 1057 1093
8398 1078 990
8399 1078 1066
Co
Dup 8397
21K 2 Loops.
8400 1220 1200 1117
8401 1040 1203 1133
8402 1037 1200 960
Co
Edium 37 – Ba(OH)2 Na2SO4
2 dumps 1/2 @ 4.5 – 24.1 from interpolation 719
21K
8403 1203 1163 1167
8404 1217 1173 1167
8405 1210 1160 1147
1143 1153 1173 487
1143 1120 1187 367
1120 1127 1163 357
Dup 8403
21K 2 Loops.
8406 1113 1267 960
8407 1117 1217 1193
8408 1130 1257 1150
Co
Edium 40 Soak Chromate K
1 Soak 4.2 v/s flow 719
21K
8409 1213 1210 1227
8410 1191 1210 1227
8411 1223 1230 1227
100
1220 after dump
1000
557
Co from 60 and from Chromium

8412 acts funny only just cap at 8th run etch 5th run only side —

		Cold	50	100
Dup 8409	8412	1133	1340	1157
21K 2 ½OH —	8413	1147	1330	1217
	8414	1147	1353	1158
Edison 39 - K Wog-Bas 2 soaks 4.5 ½ f ox	8415	837		
21 K	8416	840		
	8417	820		
Dup 8415	8418	867		
21K 2 ½OH.	8419	697		
	8420	1027		
Edison 41 Conc Nickel Chloride 7 1/2 Rq soak 1 quick wash - acid at three - breaks up —	8421	917	1040	1013
	8422	913	1047	1013
21K	8423	830	993	957
Dup 8421	8424	1037	1230	1120
21 K 2 ½OH.	8425	1010	1227	1180
	8426	1007	1200	1150
Edison 38 RQ 7 1/2 Orthoplex Pot - Bas Cl 1 Soak Cantwash 9 grs 4.5 f ½ 23.7	8427	1028	970	
21K	8428	1050	990	
	8429	1057	983	
Dup 8427	8430	926	513	
21 K 2 ½OH.	8431	890	467	
	8432	897		
Edison 43 K Wog Bas Cl. 1 soak 7 1/2 Rq 11.2 ½ f ox 24.2	8433	6140		
	8434	593		
21K.	8435	593		

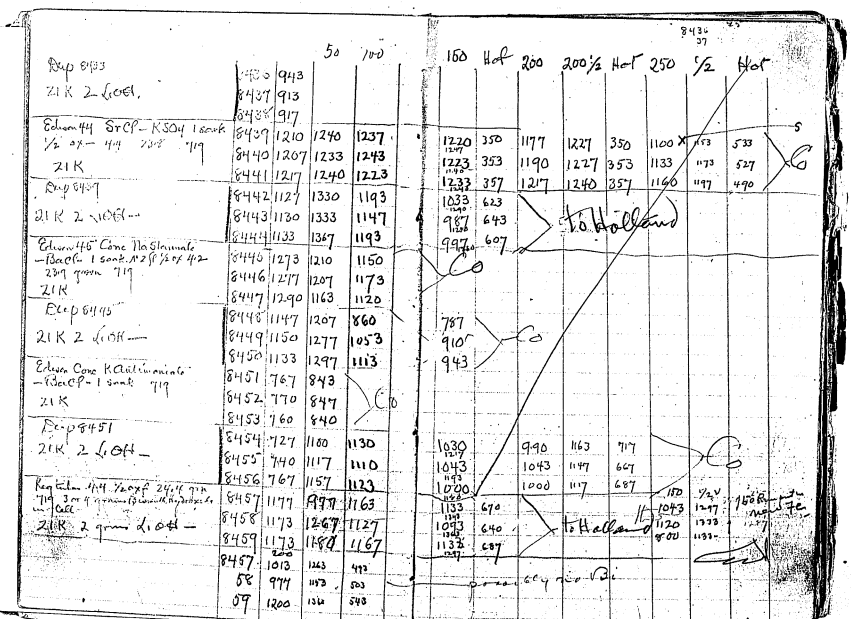
Chromium hurts the most

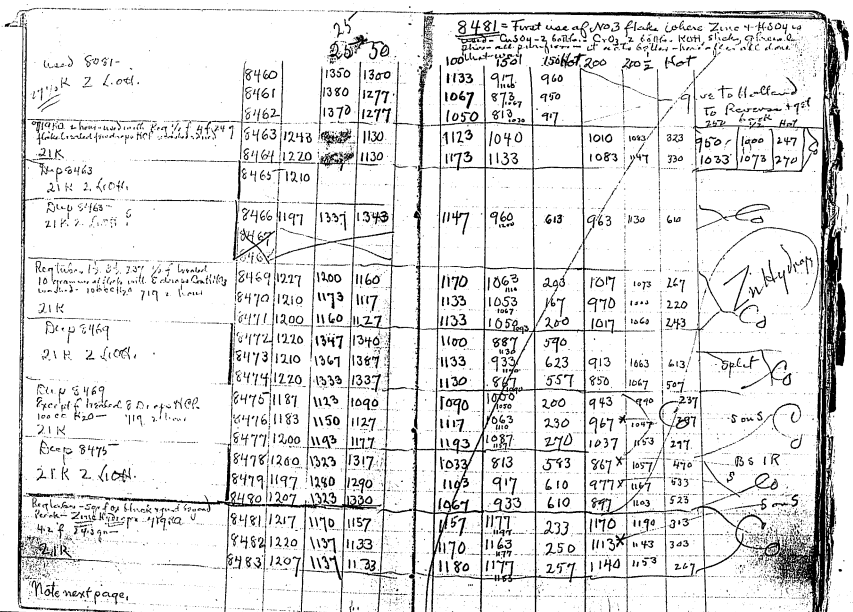
Co

Co

Note bad effect of flow on 1/16 in

8





8481 = First use of No 3 flake (where Zinc + H2SO4 to 25 + 50 = Tuesday 2 bottles Dry 2 Extra. Rain, slush, afternoon, plane not planned — if not to bottles — have for next time.

Used 8091-
17½R 2 Loch.

8460 8461 8462

1350 1380 1370 | 1300 1277 1277

1133 1067 1050 | 917 873 813 | 960 980 917

Give to Hall — To Reserve +9ct

8463 8464 | 1248 1220 | 1130 1130

1123 1173 | 1040 1133 | 1010 1083 | 823 330

950 1033 | 1200 1073 | 247 270

21K

Dup 8463
21K 2 Loch.

8465 | 1210

Dup 8468 —
21K 2 Loch.

8466 8467 8468 | 1197 | 1337 | 1343

1147 | 960 | 613 | 963 | 1130 | 610

Replaces 15 Bs 237 Dry located 10 grammes of Zinc with Extra pure Sulphuric acid. 100cc/25 + 719 + Rain

8469 8470 8471 | 1227 1210 1200 | 1200 1173 1160 | 1160 1117 1127

1170 1133 1133 | 1063 1053 1052 | 293 167 200 | 1017 970 1017 | 1073 1023 1063 | 247 220 243

21K

Dup 8469

21K 2 Loch.

8472 8473 8474 | 1220 1210 1220 | 1347 1367 1338 | 1340 1387 1337

1100 1133 1130 | 887 933 867 | 590 623 557 | 913 850 | 1663 1067 | 613 507

Split

Dup 8469
Except Heated 8 Drops HCl
100cc H2O — 119 2 Hours
21K

8475 8476 8477 | 1187 1183 1200 | 1123 1150 1193 | 1090 1127 1177

1090 1117 1193 | 1050 1063 1087 | 200 230 270 | 943 967 1037 | 1040 1047 1053 | 237 297 297

Dup 8475
21K 2 Loch.

8478 8479 8480 | 1260 1197 1207 | 1323 1280 1323 | 1317 1290 1330

1033 1103 1067 | 813 917 933 | 583 610 610 | 867 977 897 | 1057 1167 1103 | 470 533 525

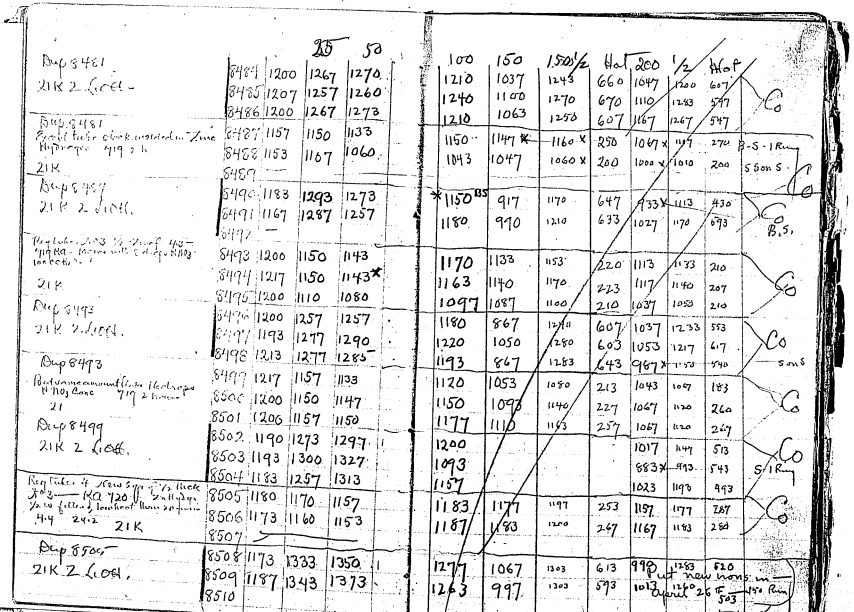
Replaces — Sep for Black spot found Weeks — Zinc Kipps + 119 cc H2O 4½ g 2½ hrs

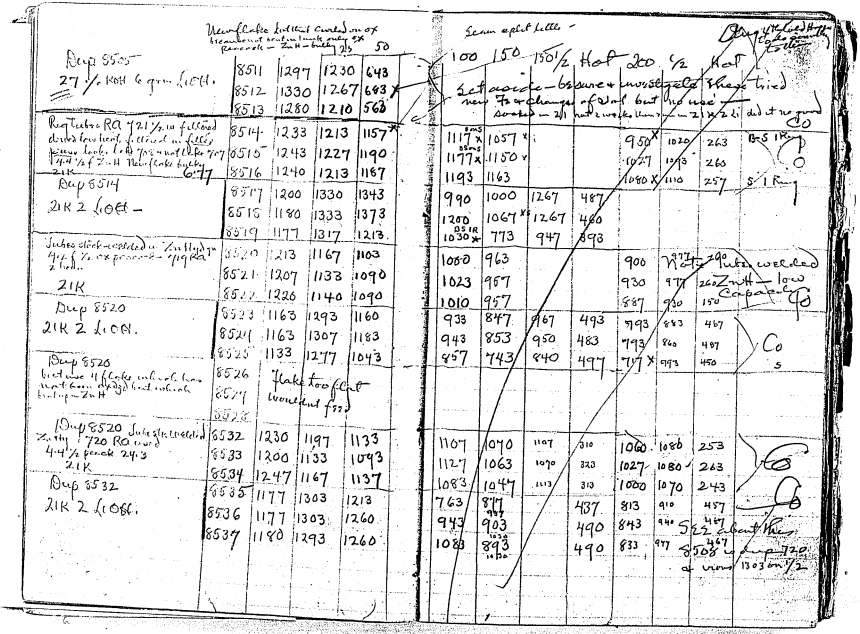
8481 8482 8483 | 1217 1220 1207 | 1170 1137 1137 | 1157 1133 1133

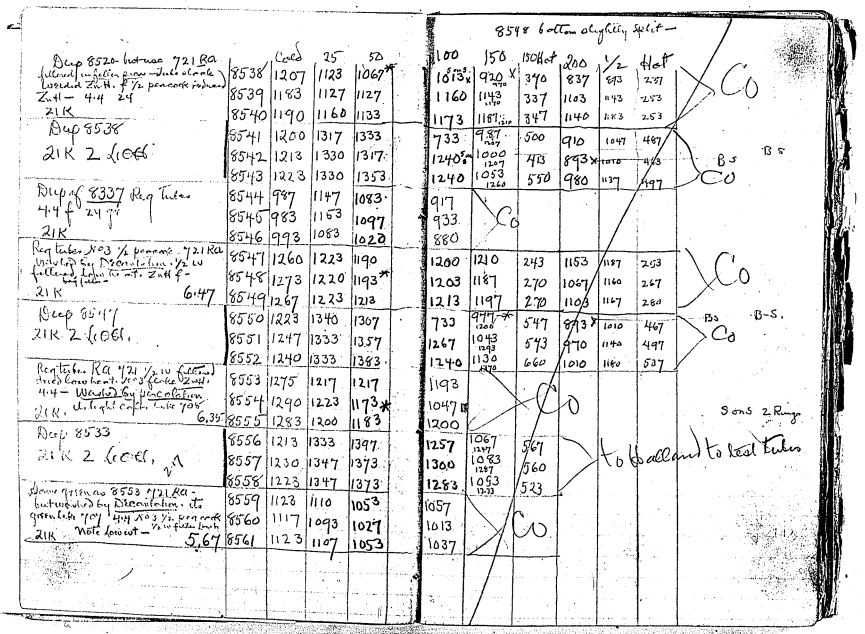
1157 1170 1180 | 1177 1163 1177 | 233 250 257 | 1170 1113 1140 | 1190 1143 1153 | 313 303 267

21K

Note next page.







Dup 8528 but was 721 Ra followed by Mannitol 1/2 w/ Cl Cl. Lowered ZnH & 1/2 pancreatic extract
Zn 4-1 — 4.4 24
21K

Dup 8538
21K 2 Cl66

Dup of 8537 Reg Tubes
4.4 of 24 hr
21K

Reg Tubes No 3 1/2 pancreas 721 Ra followed by Mannitol 1/2 w followed by Lactose to ref. ZnH &
21K 6.47

Dup 8547
21K 2 Cl66.

Reg tubes Ra 721 1/2 w Cl66 Mannitol Lowered ZnH & Cl66 Zn 4.4 — Weaned by precalation
21K. 6.39

Dup 8533
21K 2 Cl66, VM

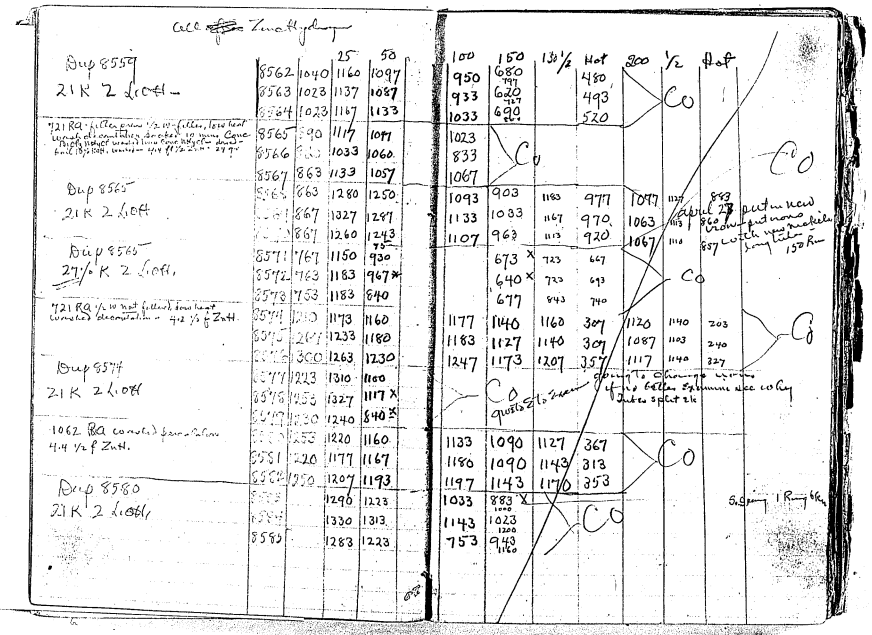
Pancreas 8538 721 Ra — but weaned by Precalation. to green tube 7.01 4.44 No 3 1/2 pancreatic extract
21K 5.67

	Cl66	25	50
8538	1207	1128	1067*
8539	1183	1127	1127
8540	1190	1160	1133
8541	1200	1317	1333
8542	1213	1330	1317
8543	1223	1330	1353
8544	987	1147	1083
8545	983	1153	1097
8546	993	1083	1022
8547	1260	1223	1190
8548	1273	1220	1193*
8549	1267	1223	1213
8550	1223	1340	1307
8551	1247	1333	1357
8552	1240	1333	1383
8553	1275	1217	1217
8554	1290	1223	1173*
8555	1283	1200	1183
8556	1213	1333	1397
8557	1230	1347	1373
8558	1223	1347	1373
8559	1123	1110	1053
8560	1117	1093	1027
8561	1123	1107	1053

8548 bottom slightly split —

100	150	150 Hot	200	1/2	Hot
1013*	920	340	837	893	2.27
1160	1143	337	1103	1143	2.53
1173	1181	347	1140	1183	2.53
733	987	500	910	1047	467
1240	1000	413	893	1010	413
1240	1053	550	980	1137	497
917					
933	Co				
880					
1200	1210	243	1153	1197	253
1203	1187	270	1067	1160	267
1213	1197	270	1108	1167	280
733	977	547	893	1010	467
1267	1043	543	970	1140	497
1240	1130	660	1010	1160	537
1193					
1047	Co				
1200					
1257	1067	567			
1300	1083	560			
1283	1053	523			
1057					
1013	Co				
1037					

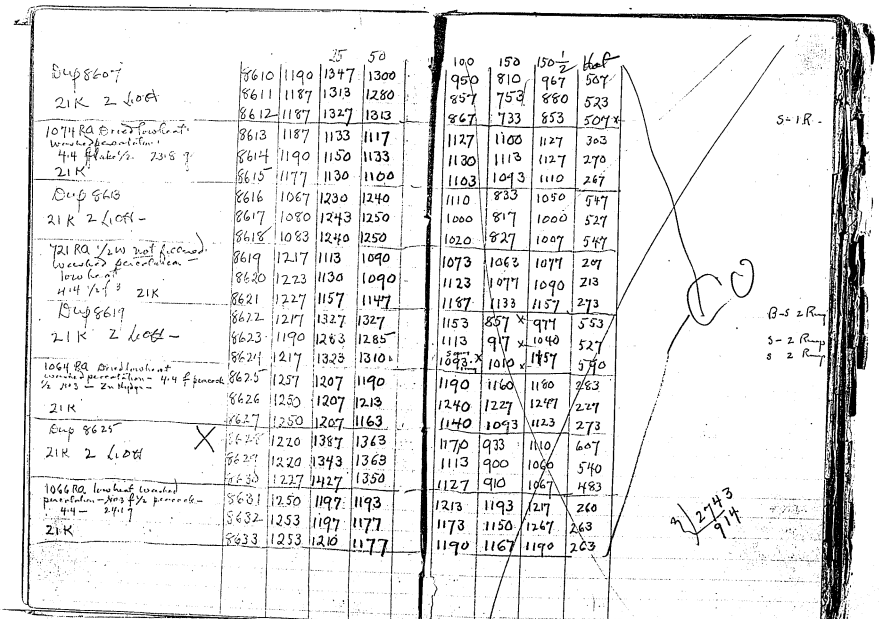
Co
Bs
Bs
Co
Co
Bs
Co
B-S.
Sons 2 Rings
to Holland to test tubes



		25	50
1062 Ra — Welded elimination. 4.4 ½ f 24.4 —	8586	1290	1243	1207
	8587	1280	1240	1200
21K	8588	1290	1247	1207
Dup 8586 —	8589	1283	1283	1240
21K 2 Loads.	8590	1293	1290	1243
	8591	1297	1303	1237
Reg tubes 1/8 Turn — Tube 84 30 9.9 N Strong yield — 403 pounds. 4.4 ½ — 23.9	8592	1100	1247	1067
	8593	1077	1241	1043
	8594	1087	1247	970
1065 Ra Low heat, Welded elimination 4.4 ½ f1 — 24.9	8595	1263	1210	1190
	8596	1260	1200	1180
21K	8597	1260	1180	1167
Dup 8595	8598	1167	1297	1230
21K 2 Loads.	8599	1173	1287	1243
	8600	1173	1273	1240
1068 — Low heat, Welded) Elimination 4.4 ½ f 24.1 9	8601	1200	1117	1093
	8602	1217	1120	1100
21K	8603	1233	1160	1130
Dup 8601	8604	1100	1267	1223
21K 2 Loads.	8605	1100	1250	1227
	8606	1107	1260	1173
1074 Ra Low heat, Welded elimination 4.4 ½ f 25.3 pounds	8607	1267	1217	1177
	8608	1280	1217	1120
21K	8609	1277	1210	1190

100	150	150 ½	Hot	200	½	Hot
1240	1183	1210	343	1130	1152	303
1227	1200	1227	333	1173	1197	263
1170	1110	1150	307	1077	1100	283
1167	977 nos					
1177	1000 nos					
967	860 nos					
	893	1000	683			
	863	960	647			
	810	890	670			
1183	1130	1157	323			
1180	1140	1163	310			
1200	1167	1190	290			
1170	1027	1187	547			
1157	1017	1157	570			
1050	897	1060	550			
1100	1057	1083	300			
1087	1080	1097	207			
1110	1077	1090	290			
990	793	970	560			
1110	890	1083	600			
950	867	1027	507			
1160	1117	1140	293			
1097	1013	1093	320			
1177	1110	1140	283			

S.S. 1 Ring



Dup 8607
21K 2 Lobe

1074 RQ Brief Involvement
Worked perpendicular
44 Plate 1/2 23.8 ?
21K

Dup 8618
21K 2 Lobe -

1211 RQ 1/2W not Recorded
Worked perpendicular
Tow bar
44 1/2 ? 21K

Dup 8619
21K 2 Lobe -

1064 RQ Brief Involvement
worked perpendicular - 44 ? perpendicular
1/2 1113 - 2W Higher -
21K

Dup 8625
21K 2 Lobe

1066 RQ Involved (worked)
perpendicular - 1093 ? perpendicular -
44 - 2W ?
21K

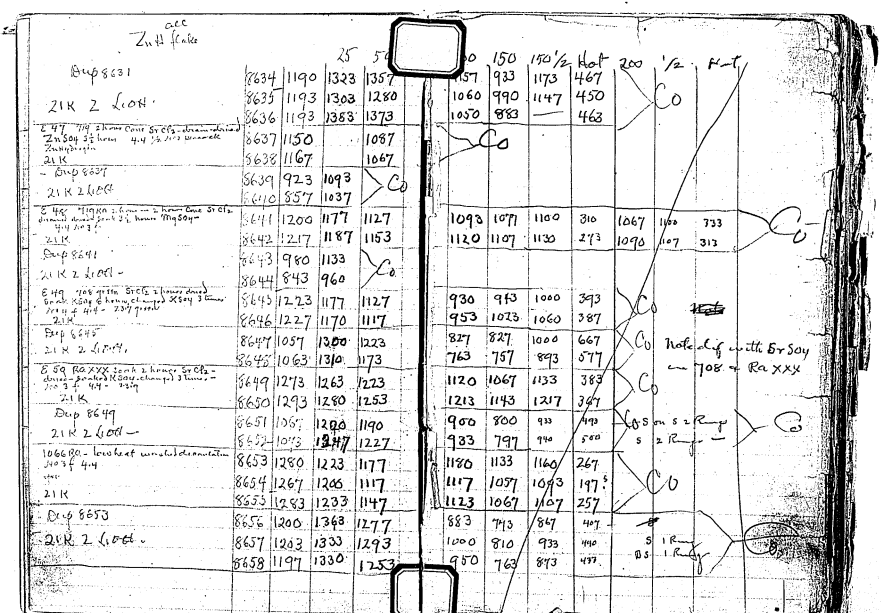
		25	50	
8610	1190	1347	1300	
8611	1187	1313	1280	
8612	1187	1327	1313	
8613	1187	1133	1117	
8614	1190	1150	1133	
8615	1177	1130	1100	
8616	1067	1230	1240	
8617	1080	1243	1250	
8618	1083	1240	1250	
8619	1217	1113	1090	
8620	1223	1130	1090	
8621	1227	1157	1147	
8622	1217	1327	1327	
8623	1190	1263	1285	
8624	1217	1323	1310	
8625	1257	1207	1190	
8626	1250	1207	1213	
8627	1250	1207	1163	
8628	1220	1387	1363	
8629	1220	1343	1368	
8630	1227	1427	1350	
8631	1250	1197	1193	
8632	1253	1197	1177	
8633	1253	1216	1177	

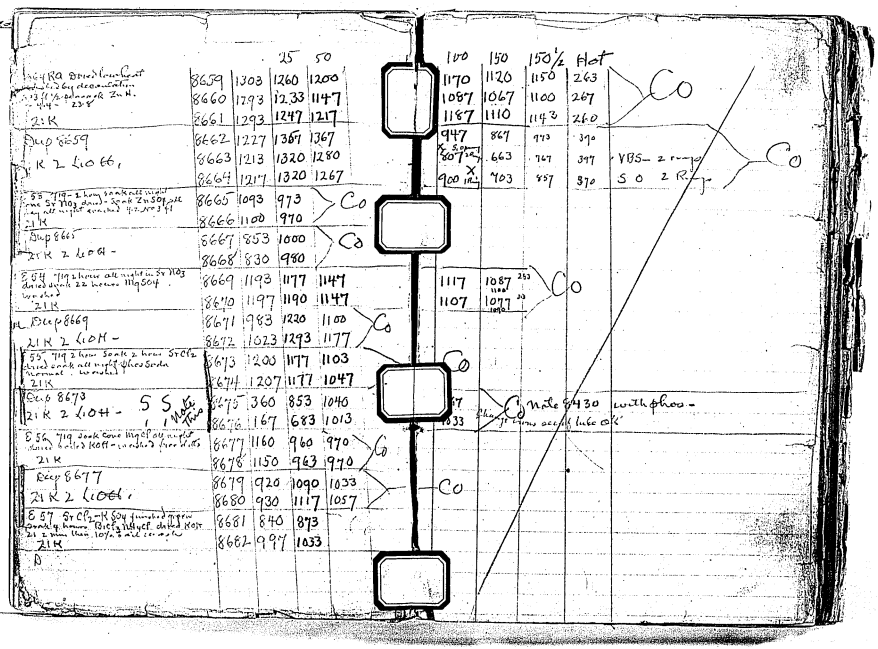
100	150	150 1/2	Heap
950	810	967	507
857	753	880	523
867	733	853	509
1127	1100	1127	303
1130	1113	1127	270
1103	1093	1110	267
1110	833	1050	547
1000	817	1000	527
1020	827	1007	547
1073	1063	1077	297
1123	1077	1090	213
1187	1133	1157	273
1153	857	977	553
1113	917	1040	527
1093	1010	1157	540
1190	1160	1180	263
1240	1227	1241	227
1140	1093	1123	273
1170	933	1110	607
1113	900	1066	540
1127	910	1067	483
1213	1193	1217	260
1173	1150	1267	263
1190	1167	1190	263

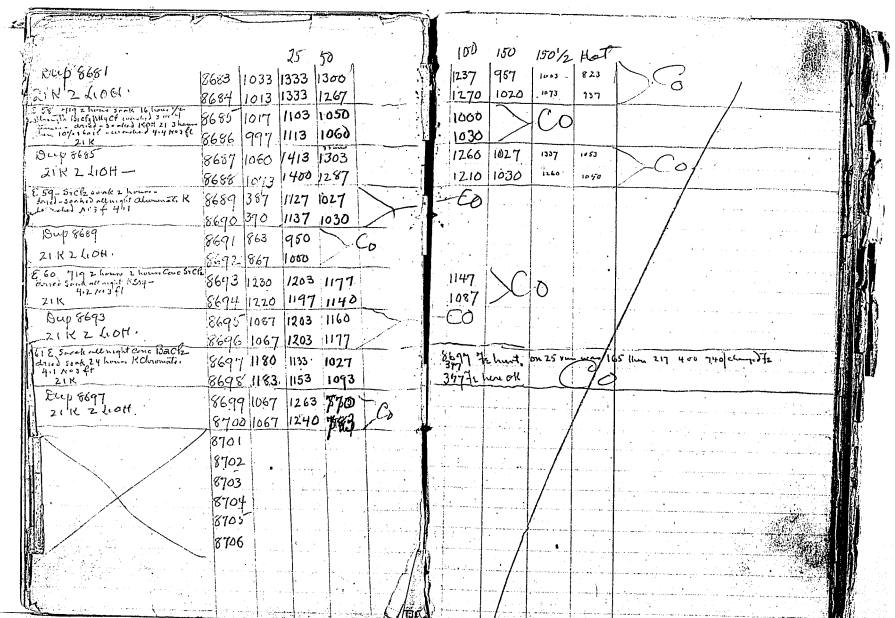
S-1R -

B-5 2R
S-2R
S 2R

2743
914

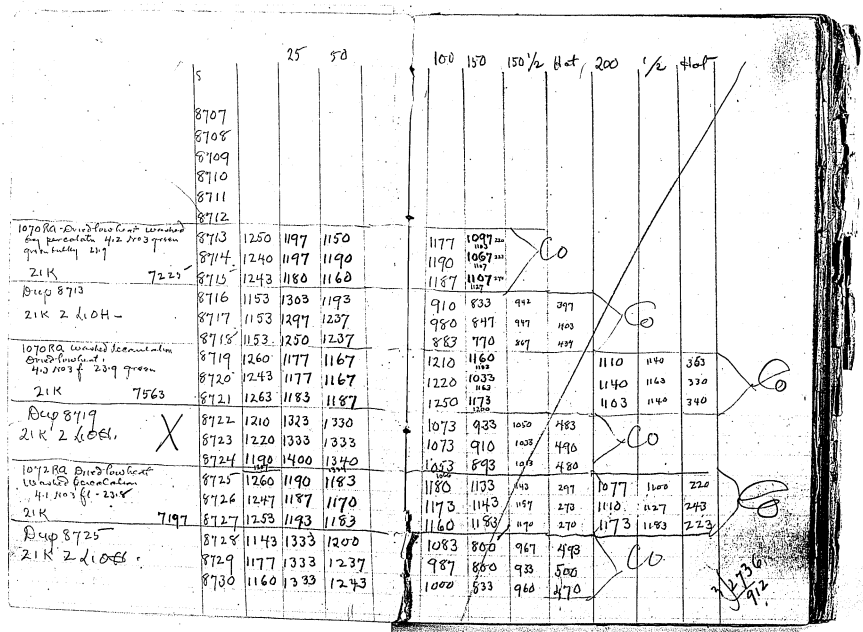

Zn H flake
25
Dup 8631
21K 2 Lion.
8634 1190 1323 1357
8635 1193 1303 1280
8636 1193 1383 1373
8637 1150 1087
8638 1167 1067
Dup 8639
21K 2 Lion
8639 923 1093
8640 857 1037
Co
8641 1200 1177 1127
8642 1217 1187 1153
Dup 8641
21K 2 Lion
8643 980 1133
8644 843 960
Co
8645 1223 1177 1127
8646 1227 1170 1117
Dup 8645
21K 2 Lion
8647 1057 1200 1223
8648 1063 1310 1173
8649 1273 1263 1223
8650 1293 1280 1253
Dup 8649
21K 2 Lion
8651 1067 1290 1190
8652 1073 1317 1227
8653 1280 1223 1177
8654 1267 1205 1117
8655 1283 1233 1147
Dup 8653
8656 1200 1368 1277
21K 2 Lion
8657 1263 1333 1293
8658 1197 1330 1253
150
150 1/2
Hot
200
1/2
Hot
157 933 1173 467
1060 990 1147 450
1050 883 — 463
Co
1093 1071 1100 310 1067 1100 733
1120 1107 1130 273 1090 1107 313
Co
930 943 1000 393
953 1023 1060 387
Co
827 827 1000 667
763 757 893 577
Co
Note dg with Br Say
— 708 + Ra XXX
1120 1067 1133 383
1213 1143 1217 347
Co
900 800 933 493
933 797 990 580
Co
1180 1133 1160 267
1117 1057 1093 197
1123 1067 1107 257
Co
883 793 867 407
1000 810 933 490
950 763 893 497
Co

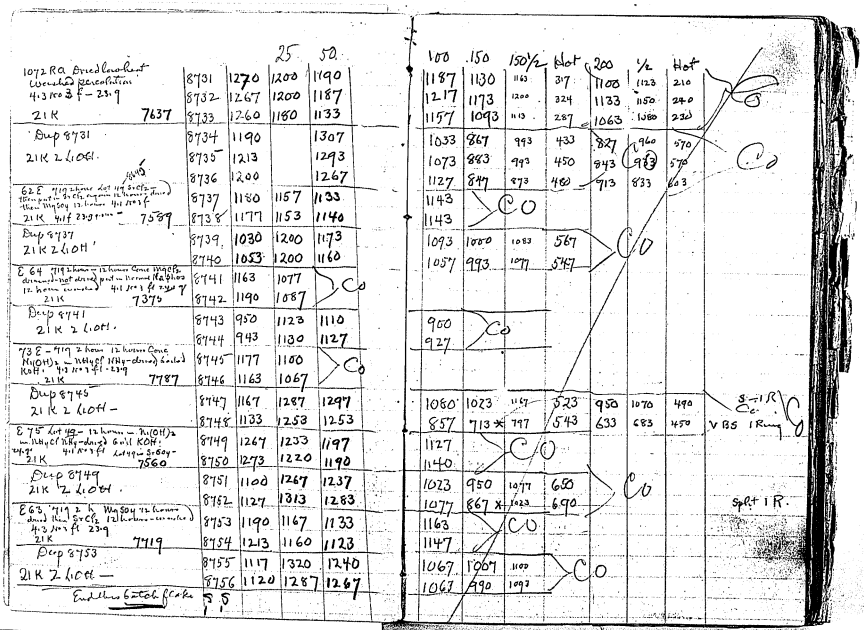


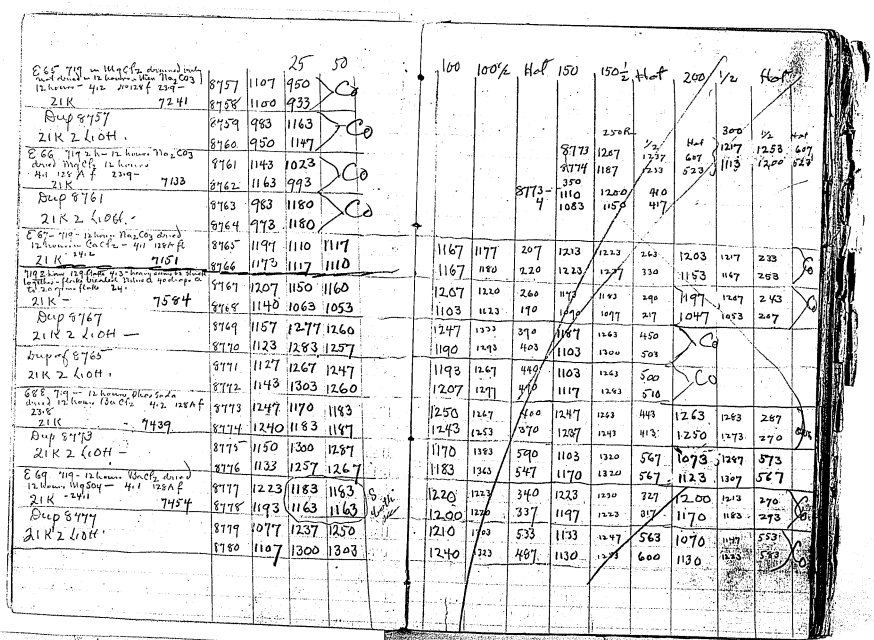


		25	50	
Exp 8681	8683	1033	1333	1300
21K 2 L10H.	8684	1013	1333	1267
E 58 719 2 hours 300K 16 hours 1/2 atmosph (Beefy)(Hot) (smoky) 3 hrs 1/2 atmos + 300K 3 hours (Cold) 21 2 hours 1000 + 300K + overnight 4:1 N=3 ft 21K	8685	1017	1103	1050
	8686	997	1113	1060
Exp 8685 21K 2 L10H —	8687	1060	1413	1303
	8688	1013	1400	1287
E 59 Stock 2 hours + Bact + 300K 3 hours 1/2 atmosph Air 21K 4:1	8689	387	1127	1027
	8690	390	1137	1030
Exp 8689 21K 2 L10H.	8691	863	950	
	8692	867	1080	
E 60 719 2 hours 2 hours Conc Stock Bact + 300K 3 hours 1/2 atmosph Air 4:1 N=3 ft 21K	8693	1230	1203	1177
	8694	1220	1197	1140
Exp 8693 21K 2 L10H.	8695	1067	1203	1160
	8696	1067	1203	1177
E 61 Smoke all night Conc Bact + 300K 24 hours 1/2 atmosph Air 4:1 N=3 ft 21K	8697	1180	1133	1027
	8698	1183	1153	1093
Exp 8697 21K 2 L10H.	8699	1067	1263	1140
	8700	1067	1240	1183
	8701			
	8702			
	8703			
	8704			
	8705			
	8706			

	100	150	150½	Hot
	1237	957	1003	823
	1270	1020	1073	737
	1000			
	1030			
	1266	1027	1207	1053
	1210	1030	1260	1050
	1147			
	1087			
	8697 ½ hunt.			
	3977 hunt ok			


25
50
100
150
150½
Hot
200
½
Hot
S
8707
8708
8709
8710
8711
8712
1070RA - Dried Inoculant washed
8713
1250
1197
1150
1177
1097
1063
1067
1047
1037
Co
8714
1240
1197
1190
1190
1187
1187
1137
1179
1139
8715
1243
1180
1160
1187
Dcup 8713
8716
1153
1303
1193
910
833
942
397
21K 2 LiOH -
8717
1153
1297
1237
980
847
997
403
8718
1153
1250
1237
883
770
867
437
1070RA washed Inoculum
8719
1260
1177
1167
1210
1160
1163
1110
1140
383
Grind-Inoculant:
8720
1243
1177
1167
1220
1035
1163
1140
1163
330
4:1 1063 gl - 23.9 green
21K
7563
8721
1263
1183
1187
1250
1173
1200
1163
1140
340
Dcup 8719
8722
1210
1323
1330
1073
933
1050
483
21K 2 LiOEt,
X
8723
1220
1333
1333
1073
910
1038
490
Co
8724
1190
1400
1340
1033
893
1019
480
1070RA Dried Inoculant
8725
1260
1190
1183
1180
1133
1143
297
1077
1108
220
Washed Granulation
8726
1247
1187
1170
1173
1143
1157
270
1110
1127
243
4:1 1063 gl - 23.8
21K
7197
8727
1253
1193
1183
1160
1183
1170
270
1173
1183
223
Dcup 8725
8728
1143
1333
1200
1083
800
967
498
21K 2 LiOEt
8729
1177
1333
1237
987
860
933
500
Co
8730
1160
1333
1243
1000
833
960
470
2736
912

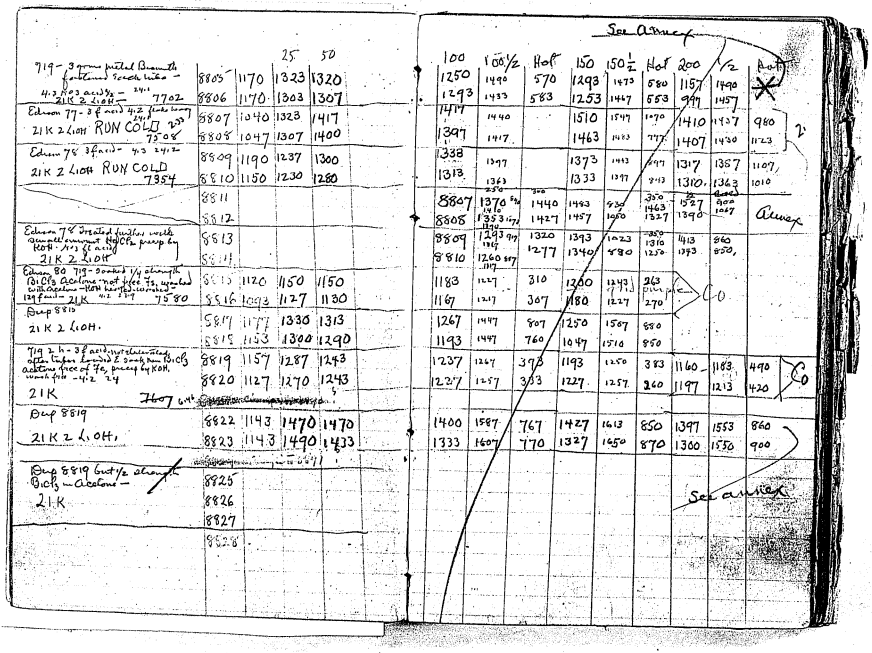




		25	50	
E 71 - 719 - 12 hour Mg phos soaked 12 hours Ca Cl2 4-1 12 Aug 24	8781	1253	1200	1180
21K 7368	8782	1243	1183	1173
Sup 8781 21K 2 Lioh	8783	1133	1273	1280
	8784	1117	1283	1243
E 72 - 719 - 24 h - 12 hours in Ca Cl2 soak 12 hours KH2PO4 - 4-1 NO3 f-24- 21K 7348	8785	1243	1243	1230
	8786	1233	1197	1193
Sup 8785 21K 2 LiOH	8787	1150	1347	1353
	8788	1163	1330	1353
E 77 - 719 2 h - soak 12 hours Ca Cl2 acetate - 4-2 24-1 7583	8789	1020	1108	1100
	8790	1033	1063	1100
Sup 8789 21K 2 LiOH flakes not (wetted)	8791	1067	1380	1400
	8792	1060	1380	1387
E 78 - 719 2 h - 1/2 strength Ca Cl2 acetate no soak E 77 unbalanced no 77- acid 24-1 NO3 4-2 f-3- 21K 7460	8793	1197	1300	1290
	8794	1190	1317	1263
E 79 - 719 - more Ca Cl2 acetate no soak unbalanced same as E 77 - acid 24-1 NO3 4-2 23.5 7530	8795	1200	1347	1333
	8796	1177	1350	1273
719 2 h NO3 1/2 acid 1 part 2½ vols 2 parts Ca Cl2 acetate 21K 2 grms LiOH 1254	8797	1167	1367	1330
	8798	1147	1810	1183
Sup 8797 1 grm Ba OH 21K 2 LiOH 7376	8799	1137	1297	1220
	8800	1153	1347	1320
Sup 8797 400 mlg Ba OH 21K 2 LiOH	8801	1123	1357	1303
	8802	1117	1307	1283
Sup 8797 .2 mlg Ba OH 21K 2 LiOH 7479	8803	1083	1260	1223
	8804	1123	1333	1303

100	100½	Hot	150	150½	Hot	200	½	Hot	
1190	1210	297	1163	1190	247	1143	1166	257	
1223	1247	273	1173	1183	233	1158	1164	273	
1180 1207 1160 1183		487	1103	1303	620	1110	1237	650	50
		473	1167	1350	603	1110	1237	637	
1240	1263	280	1200	1217	313	1170	1183	263	
1193	1217	313	1183	1193	293	1110	1127	270	
1230 1240	1410 1390	580 587	1103 1207	1317 1373	713 727	1067 1133	1247 1307	743 767	
1097	1127	330	1110	1143	270	1106	1123	277	
1117	1143	310	1133	1167	237	1087	1118	283	
1323		1007	1343	1503	1147	1257	1533	990	
1400		1060	1350	1453	1087	1307	1458	970	
1333 1327	1463 1453	937 906	1290 1260	1427 1370	977 993				
			1253	1393	1007	1223	1447	1087	
			1257	1400	1010	1183	1353	993	
1413	1477	677	1320	1507	747	1263			
1323	1370	617	1220	1390	694	1193			
1297	1350	583	1194	1357	700	1047			
1397	1443	597	1267	1457	680	1013			
1280	1353	623	1200	1360	623	1153			
1287	1387	663	1233	1397	643	1223			
1227	1317	570	1160	1307	583	927			
1263	1443	657	1260	1387	673	1213			

150 lb Run Andrews Pt.



719 - 3 grms pitted Amberlite fractioned through 40-80 mesh screen - 4.2 meq acidity = 24:1 2LiOH & 2 LiOH — 7702

Edman 77 - 3 g and 4.2 meq acidity 24:1 2 LiOH RUN COLD 75°C 7508

Edman 78 3 gram - 4.2 24:2 2 LiOH RUN COLD 7354

Edman 78 Treated fraction with ammonium hydroxide pump by KOH - 24:1 (2 meq) 2 LiOH

Edman 80 719 - soaked 1/4 strength Ba(OH)2 Acetone not free of H2O, washed with acetone - then hydrolyzed - 134 grms - 2LiOH 4:2 24:1 75°C

Dup 8815 2 LiOH.

719 2 h - 3 g acid exchange with Ba(OH)2 treated & pump by Ba(OH)2 acetone free of H2O, pump by KOH work for - 4:2 24

2 LiOH

Dup 8819 2 LiOH,

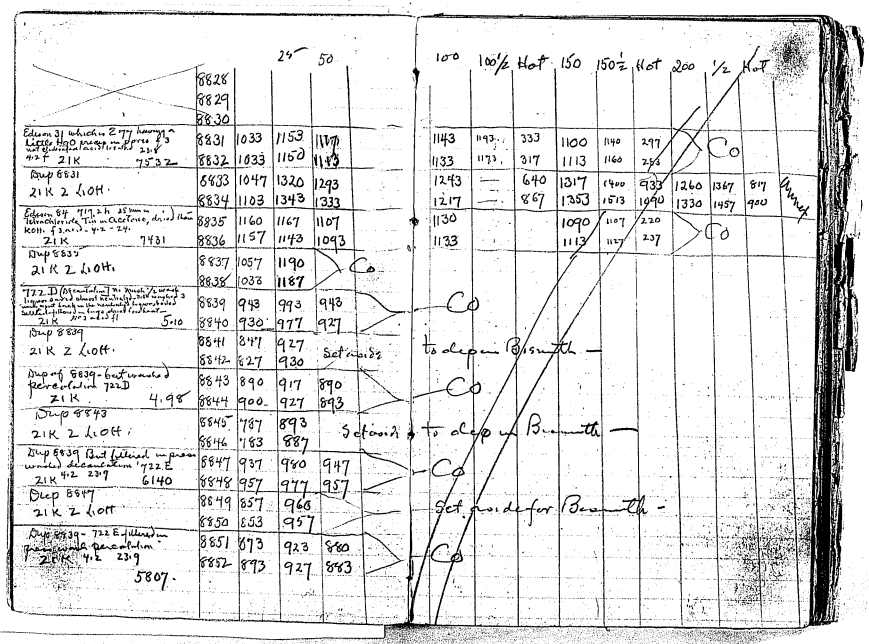
Dup 8819 but 1/2 strength Ba(OH)2 — Acetone — 2 LiOH

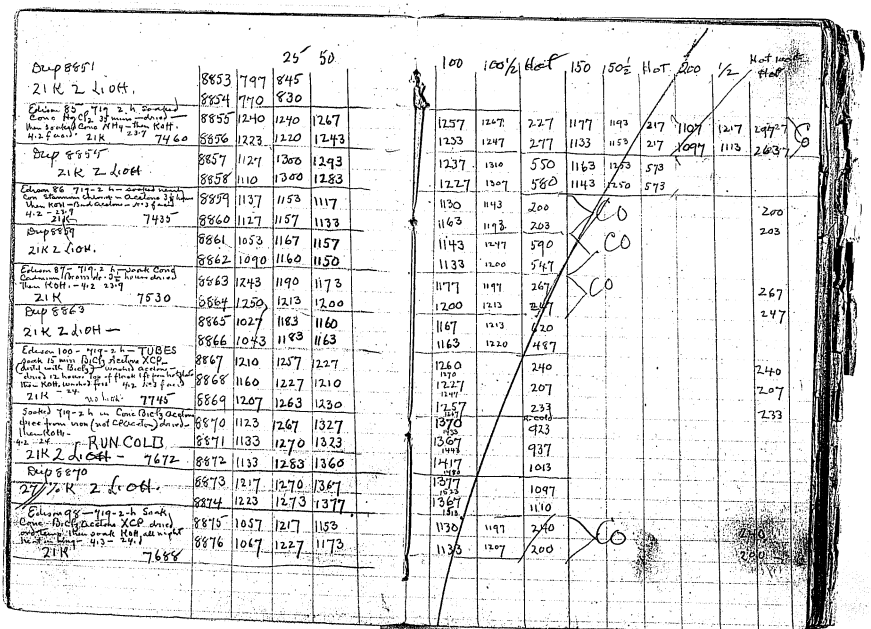
			25	50
	8805	1170	1323	1320
	8806	1170	1303	1307
	8807	1040	1328	1417
	8808	1047	1307	1400
	8809	1190	1237	1300
	8810	1150	1230	1280
	8811			
	8812			
	8813			
	8814			
	8815	1120	1150	1150
	8816	1093	1127	1130
	8817	1177	1330	1313
	8818	1153	1300	1290
	8819	1157	1287	1243
	8820	1127	1270	1243
	8822	1143	1470	1470
	8823	1143	1490	1433
	8825			
	8826			
	8827			
	8828			

See Answer

100	100 1/2	Half	150	150 1/2	Half	200	1/2	Half
1250	1490	570	1293	1473	580	1157	1490	
1293	1433	583	1253	1447	553	999	1457	
1417	1440		1510	1547	1470	1410	1437	980
1397	1417		1463	1483	777	1407	1430	1123
1388	1397		1373	1413	697	1317	1387	1107
1313	1363		1333	1397	713	1310	1363	1010
8807	1370	1440	1493	1530	1500	1527	1490	
8808	1353	1427	1457	1460	1327	1390	1447	
8809	1293	1320	1393	1423	1310	1413	860	
8810	1260	1277	1340	1380	1250	1393	850	
1183	1227	310	1300	1343	263			
1167	1247	307	1180	1227	270			
1267	1447	807	1250	1567	680			
1193	1497	760	1047	1510	850			
1237	1247	393	1193	1250	383	1160	1183	490
1227	1257	383	1227	1257	360	1197	1213	420
1400	1587	767	1427	1613	850	1397	1553	860
1333	1607	770	1327	1650	870	1300	1550	900

See answer

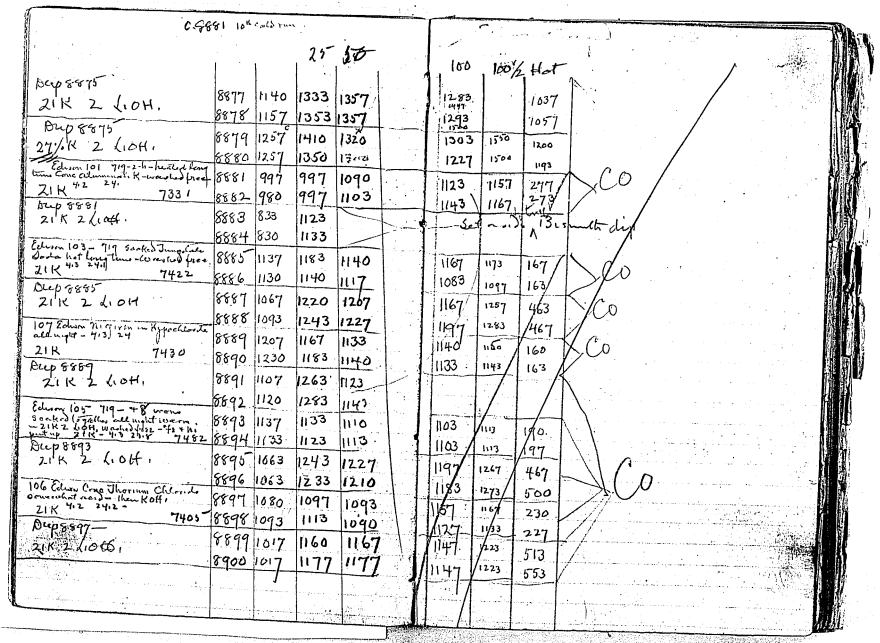




Dup 8851
21K 2 Loch.
8853 797 845
8854 770 830
Edison 83 — 7H9 2 h Sample Cave — Pacific 38 fair-moderate — Then Sparkle Cave KH9 — Then Kath. 4-2 fair-? 21K 7460
8855 1240 1240 1267
8856 1223 1220 1243
Dup 8854
21K 2 Loch
8857 1127 1300 1293
8858 1110 1300 1283
Edison 86 — 7H9 2 h — Crooked Tooth Cave — Shannon Theory — Acadian 38 fair — Then Kent — Pacific Academy — 4-3 fair-? 4-2 — 22.7 21K 7435
8859 1137 1153 1117
8860 1127 1157 1133
Dup 8861
21K 2 Loch.
8861 1053 1167 1157
8862 1090 1160 1150
Edison 87 — 7H9 2 h — Spark Cave — Shannon Theory — Pacific 38 fair-moderate — Then KOH — 4-2 22.9 21K 7530
8863 1243 1190 1173
8864 1250 1213 1200
Dup 8865
21K 2 Loch —
8865 1027 1183 1160
8866 1043 1183 1163
Edison 100 — 7H9 2 h — TUBES (sank 15 min) Pacific Academy XCP (sank with Pacific 3 minutes) acadian — drove 12 hours — top of flank 18 feet — Then KOH, sank 2 feet 4-2 2.3 fair-? 21K — 24. — no luck 7745
8867 1210 1257 1227
8868 1160 1227 1210
Sparkle) 7H9 — 2 h — Cave Pacific Academy three from west (not Crooked) drove — Then Kath — 4-2 24. — RUN COLD 21K 2 Loch — 7672
8869 1207 1263 1230
8870 1123 1267 1327
8871 1133 1270 1323
8872 1133 1283 1360
Dup 8870
21½K 2 Loch.
8873 1217 1270 1367
8874 1223 1273 1377
Edison 98 — 7H9 — 2 h Sparkle Cave — Pacific Academy XCP drove) sank 2 min — Then Sparkle KOH, all night — 4-3 — 24.1 21K 7688
8875 1057 1217 1153
8876 1067 1227 1173

100	100½	Hot	150	150½	Hot	200	½	Hot sample Hot
1257	1247	227	1177	1193	217	1197	1217	1197 CO
1233	1247	277	1133	1153	217	1097	1113	2637 CO
1237	1310	550	1163	1243	573			
1227	1307	580	1143	1250	573			
1130	1193	200						200
1163	1193	203						203
1143	1247	590						
1133	1200	547						
1177	1197	267						267
1200	1213	247						247
1167	1213	220						
1163	1220	487						
1260 1270		240						240
1227 1247		207						207
1257 1267		233						233
1370 1355		4 cores 923						
1367 1398		937						
1417 1398		1013						
1377 1353		1097						
1367 1315		1110						
1130	1197	240						240
1133	1207	200						280

CO
CO
CO
CO



			25	50	
719-2h Rep for Hallelujah for Lesh	8901				
	8902				
	8903				
Return 102. Hypochlorite treated 719 acid to 1000 KCP Nitric acetic and 0.1% Nitric KAH - 4.2 21K 7580	8904	1030	1120	1087	
	8905	1047	1120	1130	
Dup 8904 21K 2 Lioh'	8906	1067		1363	
	8907	1057		1380	
Regilled packets for Hoagan to test if they were poor cup one day hot. 21	8908	497	480	483	310
	8909	493	490	480	307
	8910	493	473	467	303
Dup 8908 Flat pkts 21K 2 LiOH.	8911	400	450	385	367
	8912	397	383	290	350
	8913	413	463	347	363
RA 723 filtered — Tank with filter sheet and heat Stérilization 30'3 with F 713 - 241 21K 6.53	8914	1117	1133	1143	
	8915	1127	1143	1120	
Dup 8914 21K 2 LiOH —	8916	1093	1243	1280	
	8917	1120	1243	1287	
RA 723 filtered — Tank with filter sheet and long heat percolation 4.2 f 21K 6.51	8918	1140	1167	1160	
	8919	1183	1197	1203	
Dup 8918 21K 2 LiOH,	8920	1170	1310	1330	
	8921	1163	1297	1380	
RA723 - ½ tank drained + tops 2 tanks dried tank heat Sterilization as per test (has stirrer) to dup 8921 4.2 f 21K 7335	8922	1123	1130	1103	
	8923	1123	1130	1127	

From 8924 To 8999 Cancelled That was

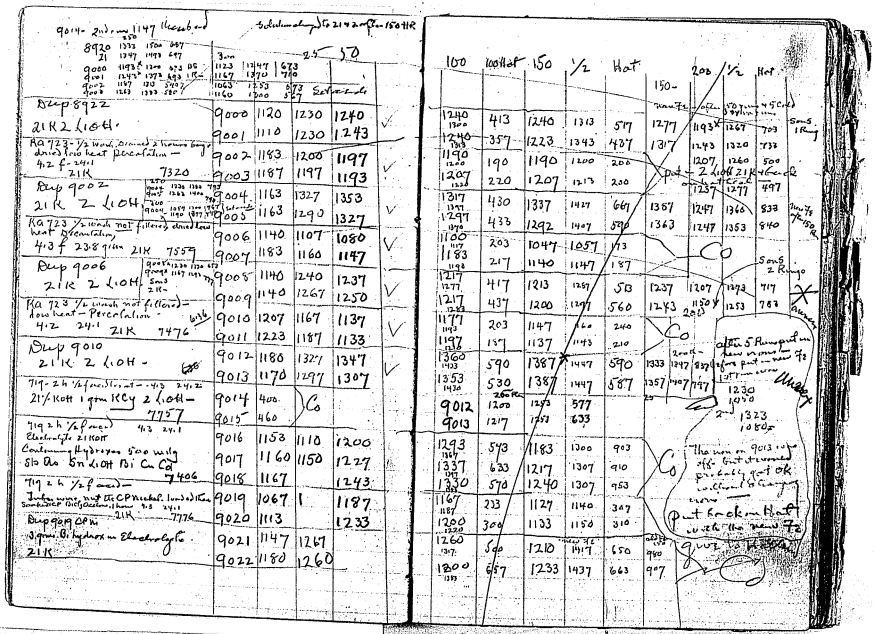
100	100½	Hot	150	½	Half
			Now for after 150 Run		
1117	1147	297	1083	1110	330
1140	1180	420	1133	1179	447
1377 1300	1437 ½ 1397	1180 1097	½	Hot	
	Not Tc	1097 Tc			
466	267	418	447	253	
463	247	423	497	310	
437	240	390	458	300	
303	347	267	473	347	
288	327	257	262	308	
233	350	240	258	341	
1173	1183	180	1130	1147	277
1163	1173	200	1127	1140	273
1280	1397	427	1227	1240	543
1287	1370	463	1317	1393	550
1157	1170	247	1153	1167	303
1227	1237	197	1200	1240	340
1333	1417	383	1303	1423	500
1313	1397	402	1350	1423	570
1127	1137	180	1120	1133	257
1127	1140	207	1113	1130	260
8916 17	1170 1200	1217 1250	623 650	85	300 1050 1233

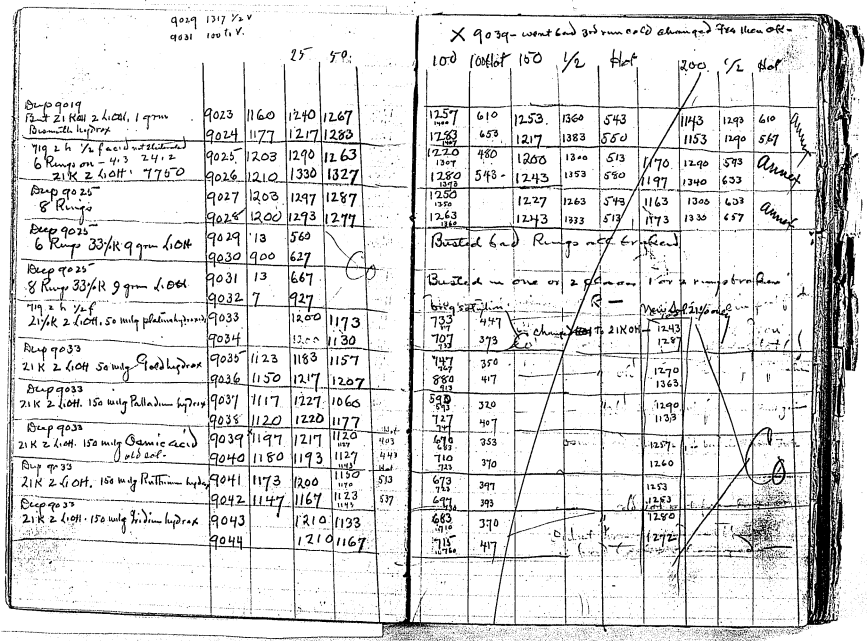
200 th Run Hot 150 1343 — 1413 1347 — 1450

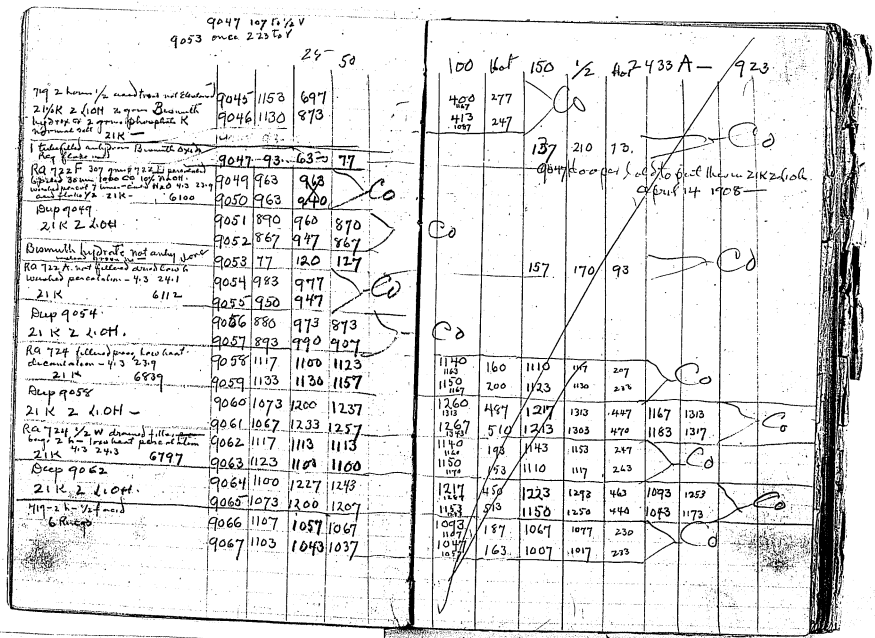
5 on 5 2 Runs

1293	1213	1253	723	
1367	1323	1400	803	
8920 21	1230 1190	1297 1267	717 662	

Sent





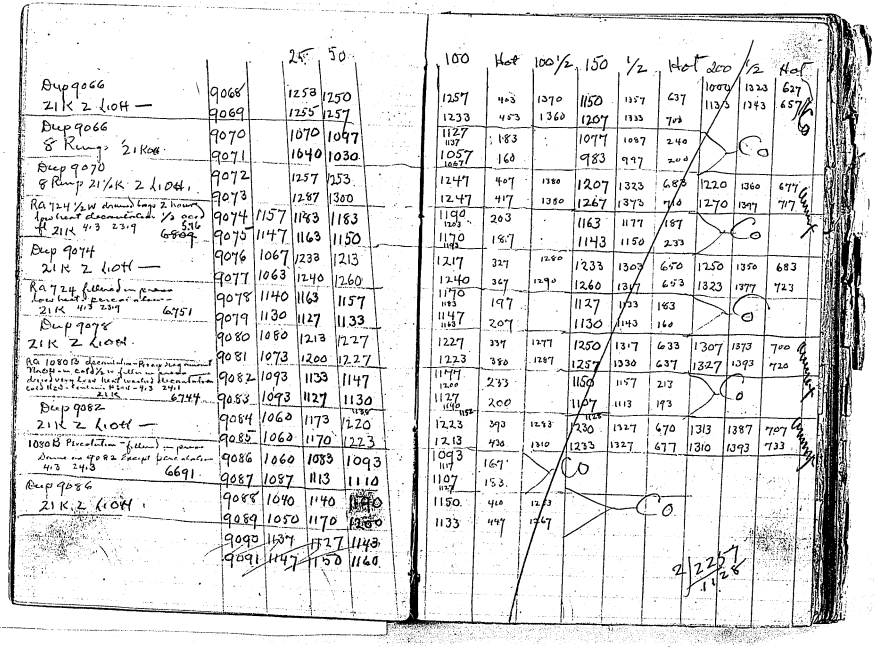


9047 107 [illegible] V
9053 over 225 [illegible] V

24 50

719 2 hours ½ and then not changed	9045	1158	697	
21K 2 10H 2 grams Bismuth	9046	1130	873	
hydrate of 2 grams of phosphate K				
nitrogen out 21K —				
1 tube filled with green 15 minutes drying				
Rep 9046	9047	93	63	77
RA 722 F 307 grams 722 [illegible]	9049	963	968	
[illegible] 30 min. tube CO 10% 24.0%	9050	963	940	Co
[illegible] 7 hours CO2 NaO 4.3 23.9				
and flame 24 21K — 6100				
Rep 9049	9051	890	960	870
21K 2 10H	9052	867	947	867
Bismuth hydrate not analyzed	9053	77	120	127
RA 722 A wet hydrate 2 CO2 6	9054	983	977	Co
21K 6112	9055	950	947	
Rep 9054	9056	880	973	873
21K 2 10H.	9057	893	990	907
RA 724 (filled) pass, low heat	9058	1117	1100	1123
21K 6839	9059	1133	1130	1157
Rep 9058	9060	1073	1200	1237
21K 2 10H —	9061	1067	1233	1257
RA 724 ½ 2 W drawn, filled with	9062	1117	1113	1113
21K 6797	9063	1123	1100	1100
Rep 9062	9064	1100	1227	1243
21K 2 10H.	9065	1073	1200	1207
719 2 h. ½ and	9066	1107	1057	1067
6 Rep	9067	1103	1043	1037

100	Hot	150	½	Hot	433 A —	923		
480 497	277							
413 1097	247							
		137	210	78.				
		1844	Co open	1 cc 10	Co			
		157	170	93				
1140 1163	160	1110	997	207				
1150 1167	200	1123	1130	238				
1260 1313	497	1217	1313	1447	1167	1313		
1267 1313	510	1243	1303	470	1183	1317		
1140 1164	198	1143	1153	247				
1150 1177	193	1110	1117	243				
1217 1144	458	1223	1293	463	1093	1253		
1153 1177	513	1150	1250	448	1043	1173		
1093 1107	187	1067	1077	230				
1047 1057	163	1007	1017	223				



Dup 9066
21K 2 LIOH —

Dup 9066
8 Rings 21 Kos

Dup 9070
8 Rings 21/2K 2 LIOH.

RA 724 ½W drawn long 2 hours
[illegible] discontinued. ½ occ)
4h 21K 4·3 23·9 5.96
6804

Dup 9074
21K 2 LIOH —

RA 724 [illegible] — grease
low [illegible] grease-clean —
21K 4·3 23·9 6751

Dup 9078
21K 2 LIOH.

RA 1080 B decantation Rings very coarse
Thick — cells ½ filled with powder
dried very low heat (water) Precipitation
cells 1620 Ferrous Blue 4·3 24·1
21K 6744

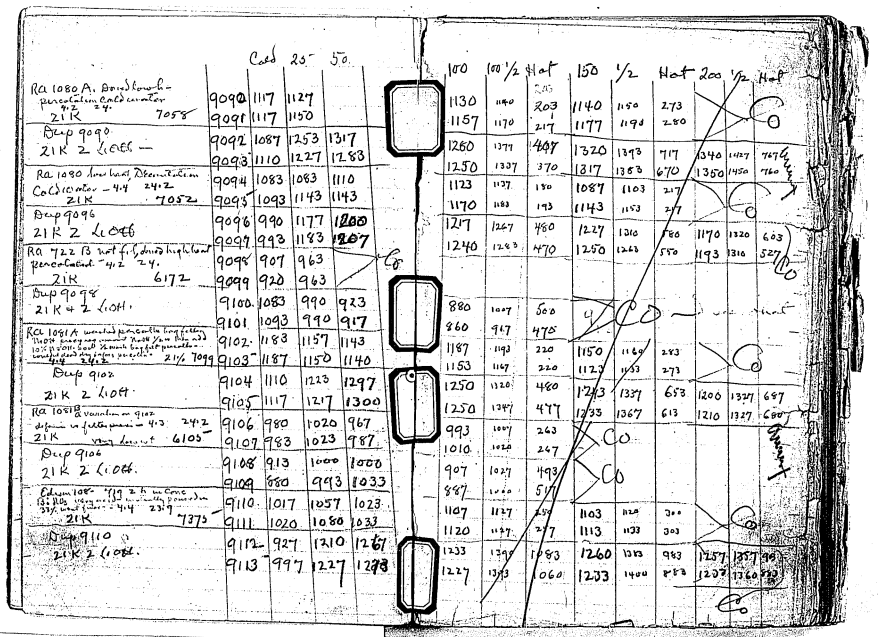
Dup 9082
21K 2 LIOH —

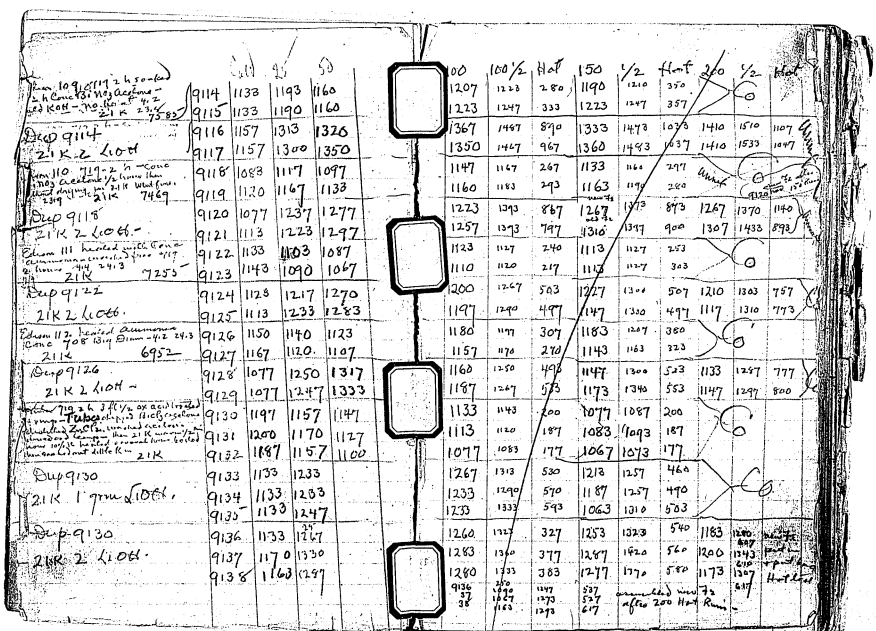
1080 B Precipitation (fellow) — grease
Same as 9082 except final reaction
4·3 24·3 6691

Dup 9086
21K 2 LIOH.

	25°	50
9068	1258	1250
9069	1255	1257
9070	1070	1097
9071	1040	1030
9072	1257	1253
9073	1287	1300
9074	1183	1183
9075	1163	1150
9076	1238	1213
9077	1240	1260
9078	1163	1157
9079	1127	1133
9080	1213	1227
9081	1200	1227
9082	1138	1147
9083	1127	1130
9084	1173	1220
9085	1170	1223
9086	1083	1093
9087	1113	1110
9088	1140	1140
9089	1170	1200
9090	1127	1148
9091	1150	1160

100	Hot	100/½	150	½	Hot	200	½	Hot
1257	403	1370	1150	1357	637	1007	1323	627
1233	453	1360	1207	1333	703	1133	1343	657
1127	183		1077	1097	240			
1057	160		983	997	200			
1247	407	1380	1207	1323	683	1220	1360	677
1247	417	1360	1267	1373	710	1270	1397	717
1190	203		1163	1177	187			
1170	187		1143	1150	233			
1217	327	1280	1233	1303	650	1250	1350	683
1240	367	1290	1260	1317	653	1323	1377	723
1170	197		1127	1133	183			
1147	207		1130	1143	160			
1227	337	1277	1250	1317	633	1307	1373	700
1223	380	1287	1257	1330	637	1327	1393	720
1177	233		1150	1157	213			
1127	200		1107	1113	193			
1223	393	1283	1230	1327	670	1313	1387	707
1213	436	1310	1233	1327	677	1310	1393	733
1093	167							
1107	153							
1150	410	1273						
1133	447	1247						

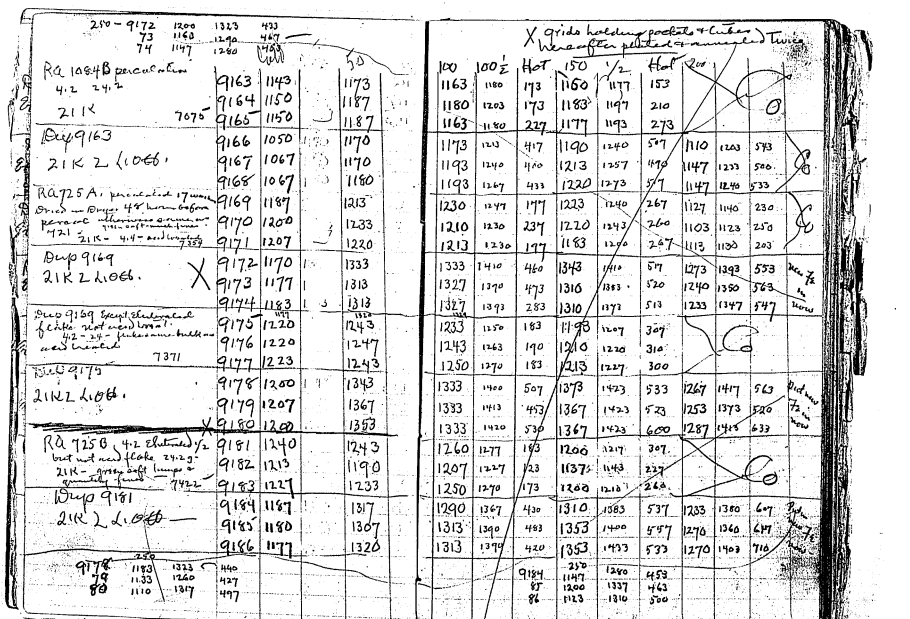


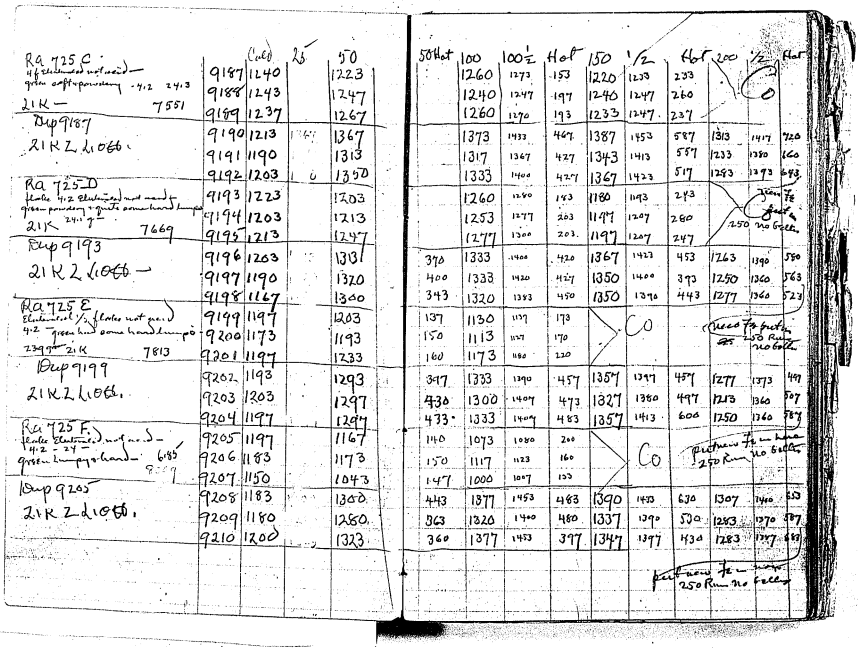


250 – 9145	1093	1360	560		
46	1037	1247	570		
47	1047	1247	567		
			25	58	
Dup 9130	9139	1200	1157	1110	
Except 6 Remp	9140	1187	1143	1110	
21K	9141	1197	1160	1133	
Dup 9130	9142	1167	1267		
Except 6 Remp 1 gm Liobl	9143	1133	1240		
& 21K	9144	1127	1220		
Dup 9130	9145	1190	1310	1310	
Except 6 Remp	9146	1193	1350	1330	
21K 2 Liobl	9147	1200	1367	1347	
Dup 9130	9148	1233	1267	1183	
Except 6 Remp	9149	1243	1330	1210	
21K	9150	1217	1287	1167	
Except 9130	9151	1193	1303		
Except 6 Remp 21K 1 gm	9152	1187	1260		
Liobl	9153	1198	1287		
Dup 9130	9154	1197		1333	
Except 6 Remp	9155	1157		1290	
21K 2 Liobl	9156	1187		1337	
Ra 1084A. Washed pence	9157	1193	Recovery	1223	
24.1 4.4	9158	1180		1197	
21K 7131	9159	1193		1227	
Dup 9157	9160	1097		1210	
21K 2 Liobl	9161	1090		1210	
	9162	1130		1247	

From here until further notice
1 e from 9162 flasks 3 1/2 ox Edwards 6 hr

1100	1100	Not	190	1/2	Hot	200	1/2	Hot		
1103	1107	180	1067	1078	213					
1117	1127	193	1070	1080	243					
1143	1165	190	1093	1103	277					
1253	1317	593	1213	1280	533	1203	1247	467		
1240	1307	540	1200	1248	530	1177	1217	473		
1200	1307	513	1093	1250	493	1060	1237	467		
1260	1353	400	1287	1371	570	1177	1300	640	Between 1/2	
1280	1387	477	1307	1407	623	1253	1367	693	Hot	
1237	1410	487	1340	1460	627	1253	1383	680		
1157	1167	317	1177	1187	370	1123	1148	290		
1193	1210	243	1187	1197	313	1080	1087	257		
1150	1160	197	1143	1157	267	1030	1037	237		
1310	1393	600	1233	1307	497					
1253	1343	507	1217	1263	480					
1277	1367	567	1260	1330	410					
1297	1400	500	1340	1427	630	1233	1347	667	Between	
1223	1333	480	1277	1373	623	1187	1330	663	7/8 Hot	
1283	1457	587	1400	1520	730	1247	1477	710		
1217	1230	193	1217	1227	190					
1193	1210	173	1187	1193	250					
1197	1207	190	1200	1210	217					
1183	1277	417	1200	1293	550					
1217	1267	437	1287	1299	577					
1207	1297	457	1220	1300	553					
	250									
9144	1063	1273	523							
57	1090	1293	523							
52	1147	1373	570							





RA 725 C
(Elevated not round) —
green soft powdery · 4.2 24.3
21K — 7551
Dup 9187
21K2.1066.

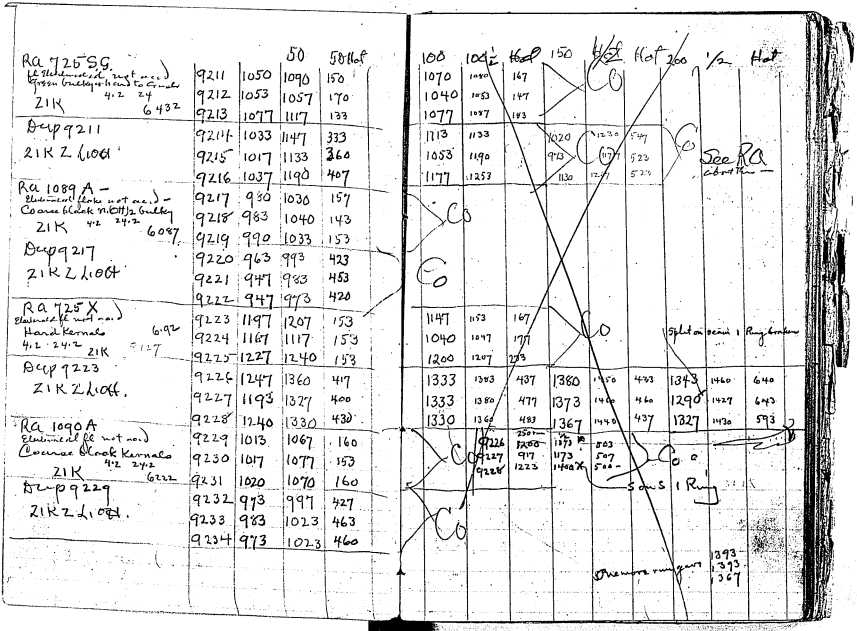
RA 725 D
(Ecke 4.2 Elevated) not round
green powdery + spots some hard lumps
21K 24.1 7 — 7669
Dup 9193
21K2.1066 —

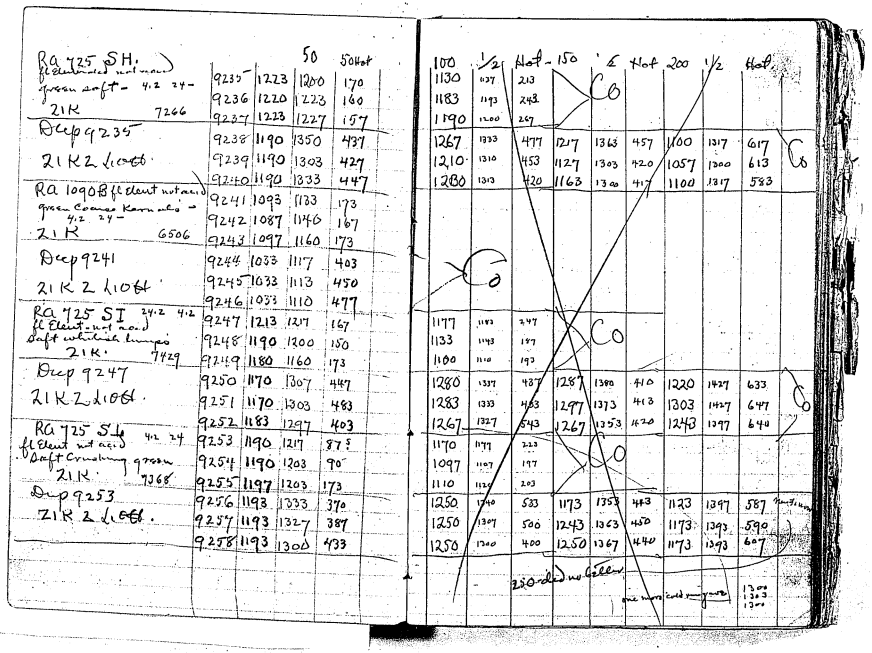
RA 725 E
Elevated 1/2 (Ecke not pro.)
4.2 green hard some hard lumps
23.9 21K 7813
Dup 9199
21K2.1066.

RA 725 F.
(Ecke Elevated) not round —
4.2 - 24 —
green lumpy hard — 6.85
Dup 9205
21K2.1066.

	(Cal)	25	50
9187	1240		1223
9188	1243		1247
9189	1237		1267
9190	1213		1367
9191	1190		1313
9192	1203		1350
9193	1223		1203
9194	1203		1213
9195	1213		1247
9196	1203		1313
9197	1190		1320
9198	1167		1300
9199	1197		1203
9200	1173		1193
9201	1197		1233
9202	1193		1293
9203	1203		1297
9204	1197		1297
9205	1197		1167
9206	1183		1173
9207	1150		1043
9208	1183		1300
9209	1180		1280
9210	1200		1323

50 Hot	100	100½	Hot	150	½	Hot	200	½	Hot
	1260	1273	153	1220	1239	233			
	1240	1247	197	1240	1247	260			
	1260	1270	193	1233	1247	237			
	1373	1433	467	1387	1453	587	1313	1417	720
	1317	1367	427	1343	1413	557	1233	1350	660
	1333	1400	427	1367	1423	517	1253	1373	643
	1260	1290	143	1180	1193	243			
	1253	1277	203	1197	1247	280			
	1277	1300	203	1197	1247	247			
370	1333	1400	420	1367	1423	453	1263	1390	580
400	1338	1420	427	1350	1400	393	1250	1360	563
343	1320	1393	450	1350	1396	443	1277	1360	523
137	1130	1137	173						
150	1113	1157	170		Co				
160	1173	1180	220						
317	1333	1390	457	1357	1397	457	1277	1373	497
430	1300	1407	473	1327	1380	497	1213	1360	507
433	1333	1407	483	1357	1413	606	1250	1360	587
140	1073	1090	200						
150	1117	1123	160		Co				
147	1000	1007	133						
443	1377	1453	463	1390	1453	630	1307	1400	653
363	1320	1400	480	1337	1390	530	1283	1370	587
360	1377	1453	397	1347	1397	434	1283	1397	647


Ra 725 SG.
Elsdonmead (lacks west end)
Hyson Green (collapsed to rim) to Grindle
4.2 24.2
21K
6432
Dep 9211
21K 2 Lio8
Ra 1089 A –
Elsdonmead (lacks west end)
Coarse Clough Nr Otley
21K
6087
Dep 9217
21K 2 Lio8
Ra 725 X
Elsdonmead (lacks west end)
Hazel Kernals
6.92
4.2 24.2
21K
Dep 9223
21K 2 Lio8.
Ra 1090 A
Elsdonmead (lacks west end)
Coarse Clough Kernals
4.2 24.2
21K
6222
Dep 9229
21K 2 Lio8.
9211 1050 1090 150
9212 1053 1057 170
9213 1077 1117 133
9214 1033 1147 333
9215 1017 1133 360
9216 1037 1190 407
9217 930 1030 157
9218 983 1040 143
9219 990 1033 153
9220 963 993 423
9221 947 983 453
9222 947 973 420
9223 1197 1207 153
9224 1167 1117 153
9225 1227 1240 153
9226 1247 1360 417
9227 1193 1327 400
9228 1240 1330 430
9229 1013 1067 160
9230 1017 1077 153
9231 1020 1070 160
9232 973 997 427
9233 983 1023 463
9234 973 1023 460
100 1070 1040 1077
1013 1053 1077
1177
1147 1040 1200
1333 1333 1330
1020 943 1130
1373 1367
1380
1373
1367
1227 917 1223
1393 1373 1367
See Ra
Sans 1 Rug
Split on second 1 Rug broken
Otherwise running good



Ra 725 SH. ff Element nut meal green soft - 4.2 24 - 21K 7266
Dup 9235
21K 2 Lobes
Ra 1090 ff Element nut meal green Coarse Kernels - 4.2 24 - 21K 6506
Dup 9241
21K 2 Lobes
Ra 725 SI 24.2 4.2 ff Element nut meal soft white lumps 21K. 7429
Dup 9247
21K 2 Lobes.
Ra 725 SL 4.2 24 ff Element nut meal Soft Crumbly green 21K 7368
Dup 9253
21K 2 Lobes.

		50	50 hot
9235	1223	1200	170
9236	1220	1223	160
9237	1223	1227	157
9238	1190	1350	437
9239	1190	1303	427
9240	1190	1333	447
9241	1093	1133	173
9242	1087	1146	167
9243	1097	1160	173
9244	1033	1117	403
9245	1033	1113	450
9246	1033	1110	477
9247	1213	1217	167
9248	1190	1200	150
9249	1180	1160	173
9250	1170	1307	447
9251	1170	1303	483
9252	1183	1297	403
9253	1190	1217	87?
9254	1190	1203	90
9255	1197	1203	173
9256	1193	1333	370
9257	1193	1327	387
9258	1193	1300	433

100	1/2	Hot - 150		E	Hot	200	1/2	Hot	
1130	1127	213							
1183	1173	243							
1190	1200	267							
1267	1333	477	1217	1363	457	1100	1317	617	
1210	1310	453	1127	1303	420	1057	1300	613	
1280	1313	420	1163	1300	417	1100	1317	583	
1177	1173	247							
1133	1143	197							
1100	1110	193							
1280	1337	487	1287	1380	410	1220	1427	633	
1283	1333	483	1297	1373	413	1303	1427	647	
1267	1327	543	1267	1353	420	1243	1397	640	
1170	1177	223							
1097	1107	197							
1110	1120	203							
1250	1340	583	1173	1353	483	1123	1397	587	
1250	1307	506	1243	1363	450	1173	1393	599	
1258	1300	400	1250	1367	440	1173	1393	607	

250 added no yellow

one more card of yours

1303
1343
1300

Rq 725 SK)
fl Elem not nec.)
4.2 23.8
21K 7552

Decp 9259
21K 2 Li06

Rq 1088 A, 24.2 4.2
fl Elem not cand
Hard lumps gritty green
21K 7164

Decp 9265
21K 2 Li06

Rq 1086 A - 4.2 24.3
fl Elem not nec)
Hard and white lumps
21K 8041

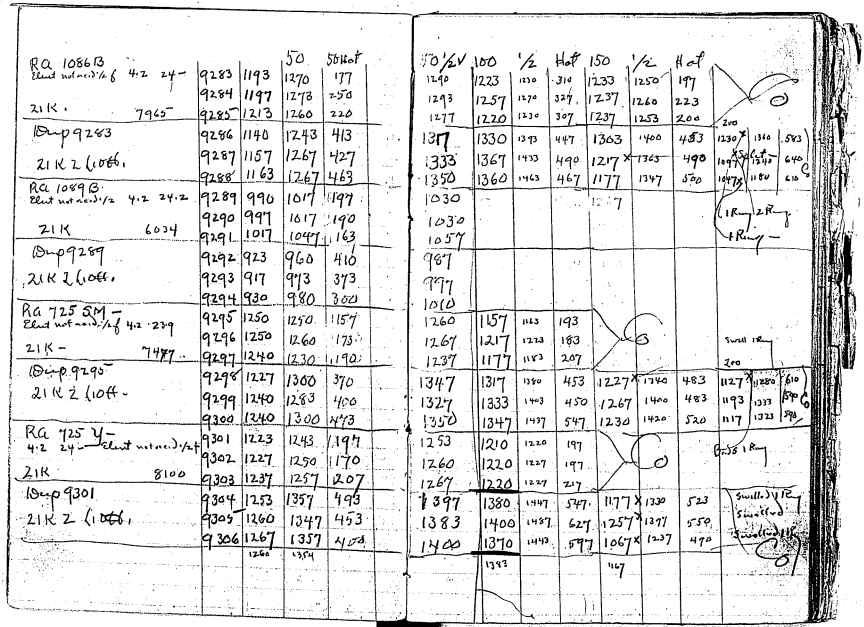
Decp 9271
21K 2 Li06

Rq 1088 B 24. 4.2
fl Elem not nec
Hard lumps
21K 7009

Decp 9277
21K 2 Li06

			50	50 Hot
	9259	1197	1258	193
	9260	1220	1273	263
	9261	1223	1257	200
	9262	1200	1377	527
	9263	1217	1313	520
	9264	1210	1377	500
	9265	1220	1267	233
	9266	1200	1247	183
	9267	1223	1267	197
	9268	1133	1230	477
	9269	1150	1227	457
	9270	1147	1247	493
	9271	1237	1287	193
	9272	1223	1267	177
	9273	1223	1277	200
	9274	1167	1290	530
	9275	1160	1263	517
	9276	1160	1243	463
	9277	1183	1243	220
	9278	1183	1233	163
	9279	1193	1247	207
	9280	1107	1200	447
	9281	1107	1193	440
	9282	1113	1220	463

50 ½	100	½	Hot	150	½	Hot	200	½	Hot	
	1197	1203	233							
	1237	1240	270							
	1213	1223	240							
	1300	1357	463	1283	1407	490	1187	1403	627	
	1267	1360	430	1193	1347	503	1047	1283	580	
	1267	1353	393	1187	1327	463	1027	1267	567	
	1247	1257	277	1180	1193	278				
	1183	1190	260	1157	1177	190				
	1223	1227	293	1207	1223	227				
1290	1350	1427	557	1323	1487	587	1127	1300	640	
1280	1297	1390	520	1277	1373	507	1143	1293	623	
1290	1393	1457	607	1290	1410	553	1113	1293	633	
	1250	1257	287	1253	1273	253				
	1217	1223	240	1203	1220	240				
	1267	1273	220	1260	1263	243				
1367	1400	1490	603	1267	1487	570	1113	1246	650	
1333	1393	1450	550	1330	1447	560	1190	1360	570	
1327	1350	1483	573	1323	1410	576	1233	1393	670	
	1220	1233	243	1183	1200	283				
	1197	1210	270	1167	1187	207				
	1220	1233	200	1183	1197	247				
1243	1313	1367	563	1233	1333	547	1133	1333	620	
1237	1230	1310	523	1083	1241	547	893	1088	573	
1267	1327	1393	537	1233	1380	560	1077	1223	631	

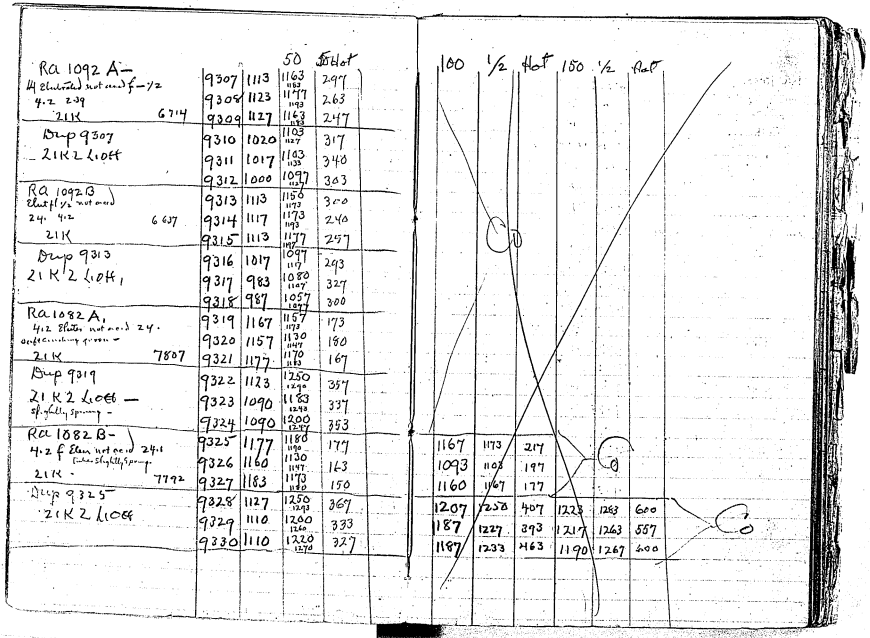


RQ 10861B
Elent not necess'y 4.2 24-
21K. 7965
Dup 9283
21K 2 Loff.
RQ 10898
Elent not necess'y 4.2 24.2
21K 6034
Dup 9289
21K 2 Loff.
RQ 725 SM -
Elent not necess'y 4.2 23.9
21K - 7487
Dup 9295
21K 2 Loff.
RQ 725 Y -
4.2 24 - Elent not necess'y 4.2
21K 8100
Dup 9301
21K 2 Loff.

9283	1193	1270	177	
9284	1197	1278	250	
9285	1213	1260	220	
9286	1140	1243	413	
9287	1157	1267	427	
9288	1163	1267	463	
9289	990	1017	197	
9290	997	1017	190	
9291	1017	1047	163	
9292	923	960	410	
9293	917	973	373	
9294	930	980	300	
9295	1250	1250	1157	
9296	1250	1260	1750	
9297	1240	1230	1190	
9298	1227	1300	370	
9299	1240	1283	400	
9300	1240	1300	443	
9301	1223	1243	1197	
9302	1227	1250	1170	
9303	1237	1257	207	
9304	1253	1357	493	
9305	1260	1347	453	
9306	1267	1357	4503	
	1260	1354		

50 1/2 V	100	1/2	Half	150	1/2	Half
1290	1223	1230	310	1233	1250	197
1293	1257	1270	327	1237	1260	223
1277	1220	1230	307	1237	1253	200
1317	1330	1343	447	1363	1400	483
1333	1367	1393	490	1217	1365	490
1350	1360	1463	467	1177	1347	520
1030				1217		
1030						
1057						
967						
997						
1010						
1260	1157	1163	193			
1267	1217	1223	183			
1237	1177	1183	207			
1347	1317	1330	453	1227	1240	483
1327	1333	1343	450	1267	1400	483
1350	1347	1437	547	1230	1420	520
1253	1210	1220	197			
1260	1220	1227	197			
1267	1220	1227	207			
1397	1380	1447	547	1177	1330	523
1383	1400	1487	627	1257	1397	550
1400	1370	1443	597	1067	1237	470
	1393			467		

1230	1340	583	
1097	1240	640	
1047	1180	610	
1127	1280	610	
1093	1333	593	
1117	1323	593	



Ra 1092 A—
4 Blastpl ½ wet mud f–½
4.2 2.39
21K 6714

Dup 9307
21K2 Lioff

Ra 1092 B
Blastpl ½ wet mud
24 4.2 6 607
21K

Dup 9313
21K2 Lioff

Ra 1082 A,
4.2 Blastpl wet mud 24.
coffee-crushing grain —
21K 7807

Dup 9319
21K2 Lioff —
sl. oily sparing —

Ra 1082 B-
4.2 f Blastpl wet mud 24.1
Fine Slightly sparing
21K 7772

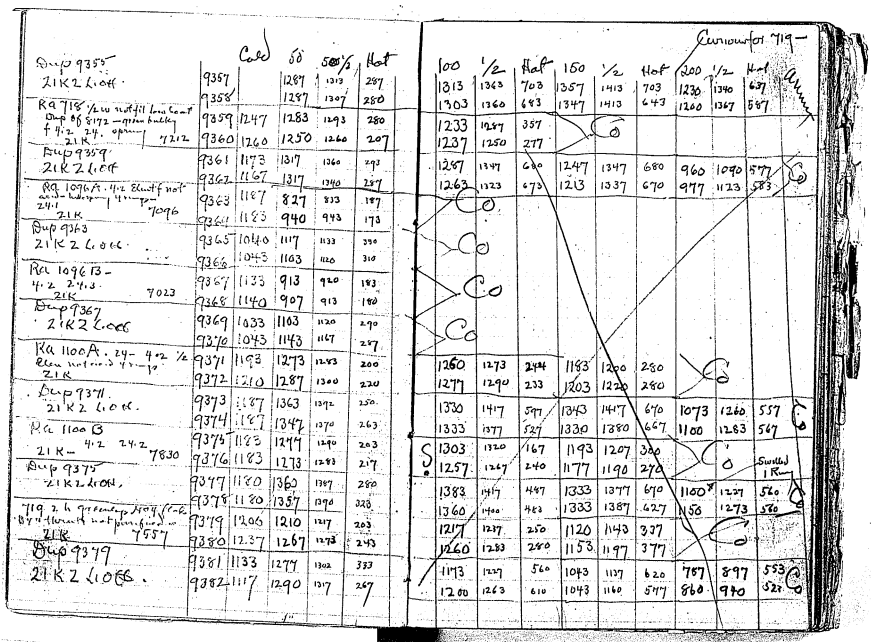
Dup 9325
21K2 Lioff

			50	50 Hot
9307	1113	1163 1137	1177 1193	297 263
9308	1123	1168 1183		247
9309	1127			
9310	1020	1103 1127		317
9311	1017	1102 1135		340
9312	1000	1097 1123		303
9313	1113	1150 1173		300
9314	1117	1173 1193		240
9315	1113	1177 1197		257
9316	1017	1097 1117		293
9317	983	1080 1107		327
9318	987	1057 1077		300
9319	1167	1157 1173		173
9320	1157	1130 1147		180
9321	1177	1170 1183		167
9322	1123	1250 1270		357
9323	1090	1183 1220		337
9324	1090	1200 1247		353
9325	1177	1180 1190		177
9326	1160	1130 1147		163
9327	1183	1173 1180		150
9328	1127	1250 1293		367
9329	1110	1260 1260		333
9330	1110	1220 1270		327

100	½	Hot	150	½	Hot
1167	1173	217			
1093	1108	197			
1160	1167	177			
1207	1238	407	1223	1283	600
187	1227	393	1217	1263	587
1187	1233	463	1190	1267	600

1/4 turn tubes instead 1½
slightly opening[illegible]

Notes	Run		50	50½	50 Hot	100	100½	Hot			
Ra 1093A. 4.3 f Elem not aced 24.2 21 6960	9331	1127	1113	1123	230	1063	1080	267			
	9332	1123	1077	1083	230	1060	1067	220			
Dup 9331 21K2LiOH.	9333	1007	1043	1073	300 Co						
	9334	987	1037	1067	307						
	9335	1143	1177	1190	303	1100	1107	333			
	9336	1153	1150	1160	257	1103	1110	280			
	9337	977	1033	1057	320 Co						
	9338	980	1037	1067	297						
Ra 1094A ½ f Elem not aced 4.3 f 24.2 gr 21	9339	1117	1073	1080	210	1000	1010	260			
	9340	1117	1047	1060	217	953	963	230			
Dup 9339 21K2LiOH.	9341	1023	1063	1093	290 Co						
	9342	1023	1047	1073	320						
Ra 1094B 4.2 f Elem not aced 23.9 21K	9343	1070	980	983	200	1000	1007	200			
	9344	1067	953	960	210	960	947	200			
Dup 9343 21K2LiOH.	9345	1000	990	1020	297 Co						
	9346	1000	983	1010	293						
Ra 1095A. 4.3 f Elem not aced 21K	9347	1140	927	933	200	973	983	193			
	9348	1150	927	933	217	1027	1033	210			
Dup 9347 21K2LiOH.	9349	1053	1030	1053	320 Co						
	9350	1053	1037	1093	323						
	9351	1123	947	953	180	1007	1017	193			
	9352	1130	873	880	217	1017	1027	227			
	9353	1020	1000	1020	320 Co						
	9354	1020	1057	1073	330						
719-21 [illegible] No 3 [illegible] 10231 - 43-24 [illegible] 4 ramps 21 7449	9355		1190	1200	207	1210	1217	267	1113	1123	303 Co
	9356		1170	1180	207	1187	1197	267	1067	1073	297



Ra 719-2 h-gravity ok nor dry ok-CP [illegible] by Alley 4-4 - 23ft [illegible] 6 Rings 21K 7708	9383	1273	1133	1193
	9384	1267	1213	1243
Dup 9383	9385	1137	1067	1102
21K 2 LOH.	9386	1130	1060	1133
Ra 7250, 4 Shot not used- 4-2 24.1	9387	1260	1257	1270
21K 7618	9388	1243	1253	1267
Dup 9387	9389	1233	1260	1283
21K 2 LOH.	9390	1241	1327	1333
Ra 1101 A Shot not used- 4-2 . 24.	9391	1177	1160	1193
21K 7127	9392	1243	1273	1287
Dup 9391	9393	1207	1310	1327
21K 2 LOH	9394	1207	1303	1330
Ra 1101 B- 4-3 24	9395	1190	1130	1153
21K 7248	9396	1193	1207	1220
Dup 9395	9397	1146	1207	1227
21K 2 LOH.	9398	1160	1260	1280
Ra 1102 A. 4-2 24	9399	1237	1240	1253
21K 7099	9400	1250	1233	1243
Dup 9399	9401	1200	1293	1317
21K 2 LOH.	9402	1193	1303	1310
Ra 1102 B. 4-3 24.2	9403	1200	1197	1203
21K 7126	9404	1210	1193	1200
Dup 9403	9405	1160	1277	1270
21K 2 LOH.	9406	1160	1257	1277

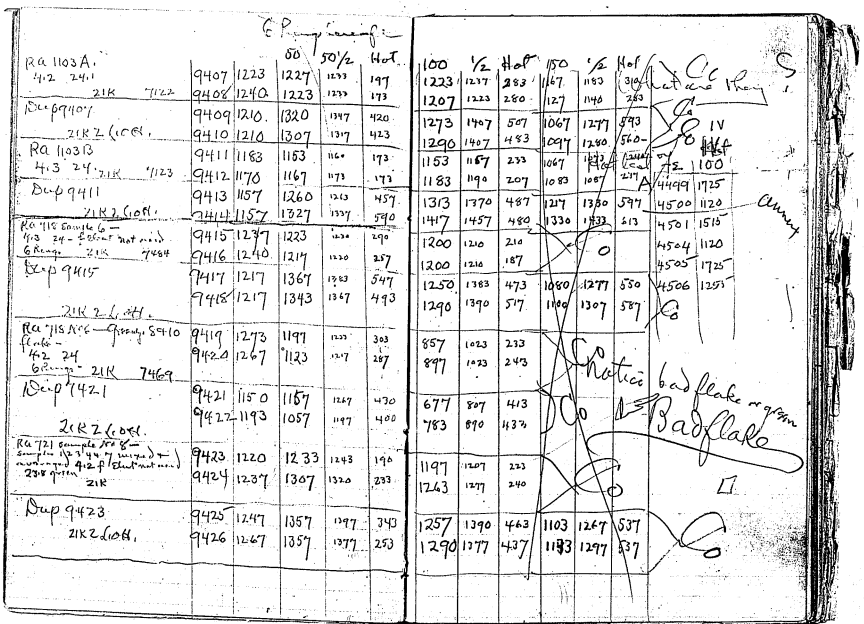
Hot	100	1/2	Hot	150	1/2	Hot
250	1073	1120	310			
260	1120	1173	320			
413	996	1020	410			
453	977	987	423			
243	1287	1293	327	1223	1233	327
207	1237	1243	283	1193	1200	283
490	1327	1347	497	1267	1303	580
480	1330	1377	540	1267	1317	617
233	1157	1200	227	1100	1127	273
207	1273	1287	227	1145	1170	290
467	1340	1430	453	1363	1417	627
430	1380	1450	453	1340	1433	617
190	1223	1237	157	1100	1107	247
203	1220	1233	200	1157	1147	277
333	1287	1333	407	1253	1227	523
363	1357	1397	467	1330	1393	580
250	1237	1253	257	1153	1180	310
227	1233	1247	267	1173	1190	287
387	1283	1393	503	1090	1303	590
343	1263	1430	503	1147	1317	617
200	1190	1197	240	1123	1130	267
173	1190	1197	237	1100	1107	257
333	1350	1390	447	1253	1353	600
343	1327	1377	423	1217	1317	580

Water heavy flak

Charge 1/2 200 R in Gallery

200R

1067 1300 620
1133 1397 667
Bolt



Ra 1103A.			50	50/2	Hot.
4:2 24.1	9407	1223	1227	1233	197
21R 7122	9408	1240	1223	1233	173
Dup 9407	9409	1210	1320	1347	420
21R 2 (10R).	9410	1210	1307	1317	423
Ra 1103B	9411	1183	1153	1160	173
4:3 24. 21R 7123	9412	1170	1167	1173	173
Dup 9411	9413	1157	1260	1263	457
21R 2 (10R).	9414	1157	1327	1337	590
Ra 718 Sample 6 — 4:3 24 — Effect not much 6 Rings 21R 7468	9415	1237	1223	1230	290
	9416	1240	1217	1220	257
Dup 9415	9417	1217	1367	1383	547
	9418	1217	1343	1347	493
21R 2 (10R).					
Ra 718 Acc — Group 8410 Sample — 4:2 24 6 Rings 21R 7469	9419	1273	1197	1233	303
	9420	1267	1123	1137	287
Dup 7421	9421	1150	1187	1247	430
	9422	1193	1057	1097	400
21R 2 (10R).					
Ra 721 Sample Acc 8 — Sample Up 4 Rings (unsigned) — 4:2 24 (Adjustment made) 238 grains 21R	9423	1220	1233	1243	190
	9424	1237	1307	1320	233
Dup 9423	9425	1247	1357	1397	343
21R 2 (10R).	9426	1267	1357	1377	253

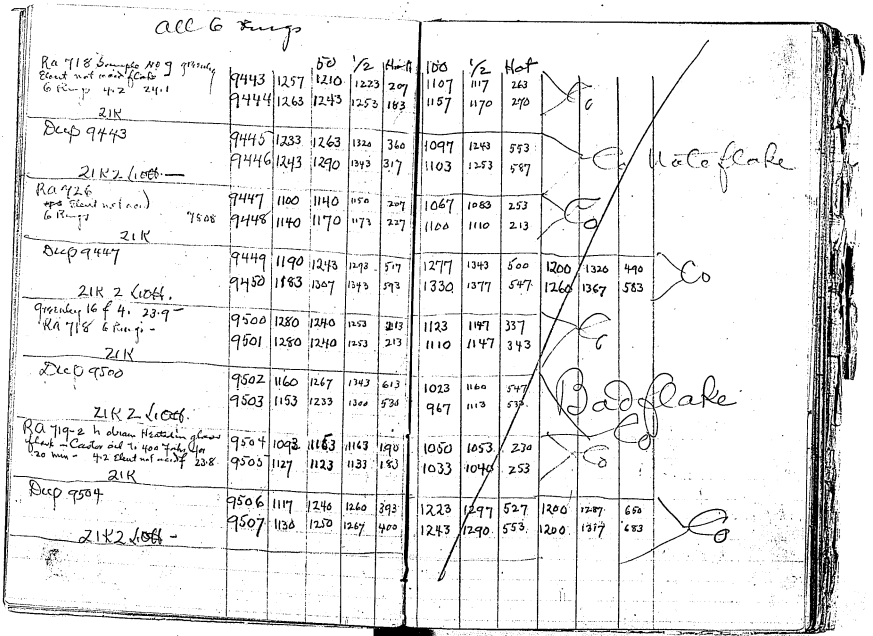
100	1/2	Half	150	1/2	Half
1223	1237	283	1167	1183	310
1207	1223	280	1127	1146	283
1273	1307	507	1067	1277	593
1290	1407	483	1097	1280	560
1153	1167	233	1067	1187	267
1183	1190	207	1083	1087	217
1313	1370	487	1227	1380	597
1417	1457	480	1330	1433	513
1200	1210	210			
1200	1210	187			
1250	1383	473	1080	1277	550
1290	1390	517	1100	1307	587
857	1023	233			
897	1023	243			
677	807	413			
783	890	434			
1197	1207	233			
1243	1277	240			
1257	1390	463	1103	1267	537
1290	1377	437	1183	1297	537

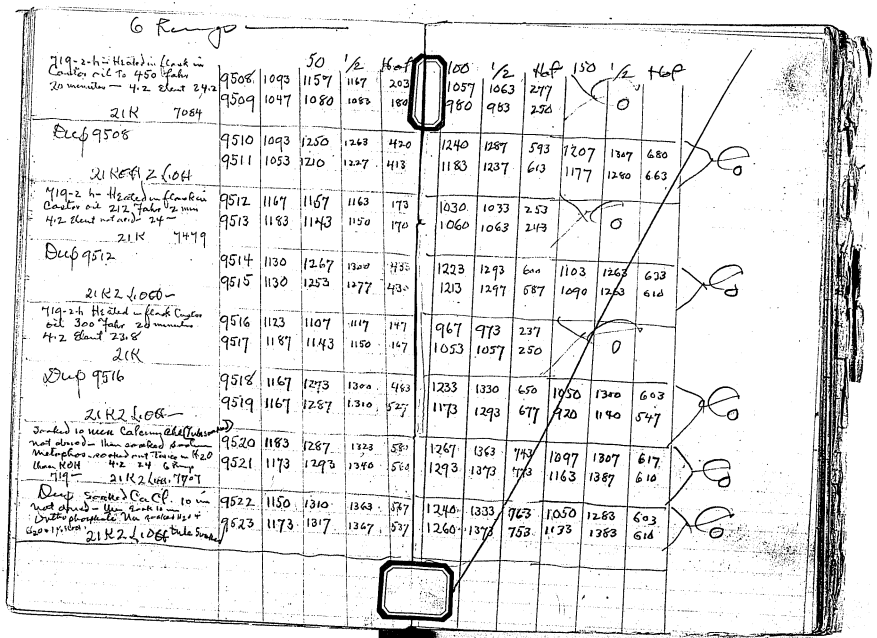
4499	1100
4499	1725
4500	1120
4501	1515
4504	1120
4505	1725
4506	1253

		Cold	50	1/2	Heat
Greenhays Xm 11 12-12 P.					
Ra 718 – Same system as usual – 9357 4.4 24H	9427	1187	953	1017	217
6 Rep 4.3 24 21KAH. 7396	9428	1210	1017	1053	190
Dup 9427	9429	1023	733	983	333
	9430	977	650	787	300
21K2 Loch.					
Greenhays Xm 11 12-12 P.					
Ra 718 – Same system as usual – 9357 4.4 24H	9431	1297	1257	1267	197
6 Rep same system as usual 21K	9432	1280	1230	1240	193
Dup 9431	9433	1217	1187	1246	343
	9434	1230	1237	1310	400
21K2 Loch.					
Ra 1105 A. Rough untreated flake	9435	1227	1290	1250	240
6 Rep 4.2 23.9	9436	1233	1217	1223	237
21K					
Dup 9435	9437	1197	1297	1323	503
	9438	1197	1277	1297	463
21K2 Loch.					
Ra 1105 B. Roughly untreated	9439	1200	1200	1210	217
6 Rep 4.3 24.1	9440	1190	1130	1137	220
21K					
Dup 9439	9441	1180	1267	1293	423
	9442	1170	1240	1263	370
21K2 Loch.					

100	1/2	Heat	
			Rotten flake
			its fracture was small & dominated by cortex of flake fractures
1180	1207	252	
1160	1173	231	
1017	1183	563	
1120	1223	603	Heat rate of flake
1153	1167	240	
1187	1197	248	
1327	1377	613	
1300	1350	587	
1147	1160	233	
1123	1130	220	
1317	1350	547	
1263	1310	507	
1167	1307	533	
1143	1307	520	
1263	1290	533	
1200	1297	513	

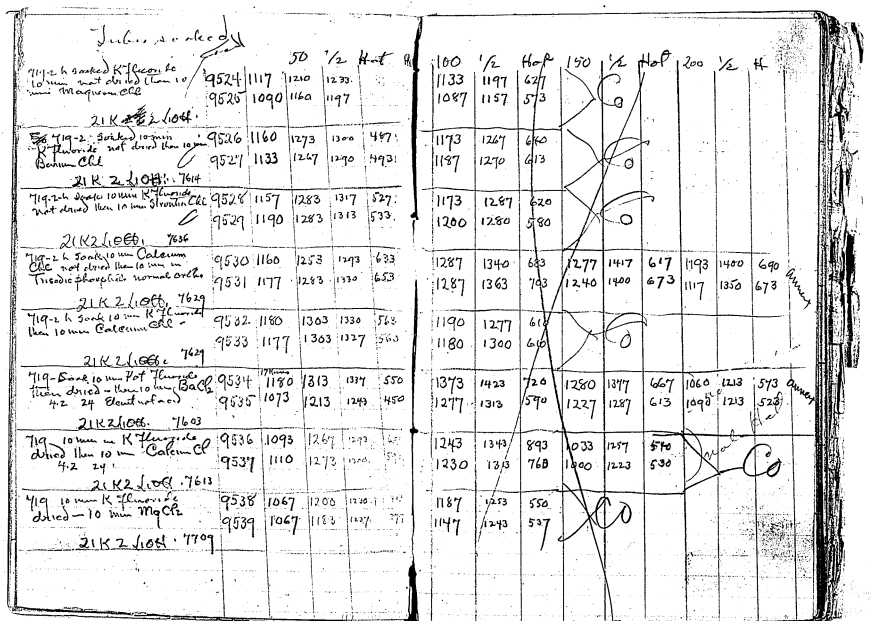
Heat/Ice Notes annex


acc 6 Rings
Ra 718 Sample No 9 previously
Blank not main flake
6 Rings 4.2 24.1
21K
Deep 9443
21K 2 Loose
Ra 926
spa Blank not main)
6 Rings
21K
Deep 9447
21K 2 Loose.
previously 16 of 4. 23.9
RA 718 6 Rings -
21K
Deep 9500
21K 2 Loose.
RA 719-2 h obsian Heating glass
flake - Castor oil 1: 400 Tube 4pm
20 min - 4.2 Blank not main 23.8
21K
Deep 9504
21K2 Loose -
Core
Main flake
Core
Core
Bad flake
Core
Core

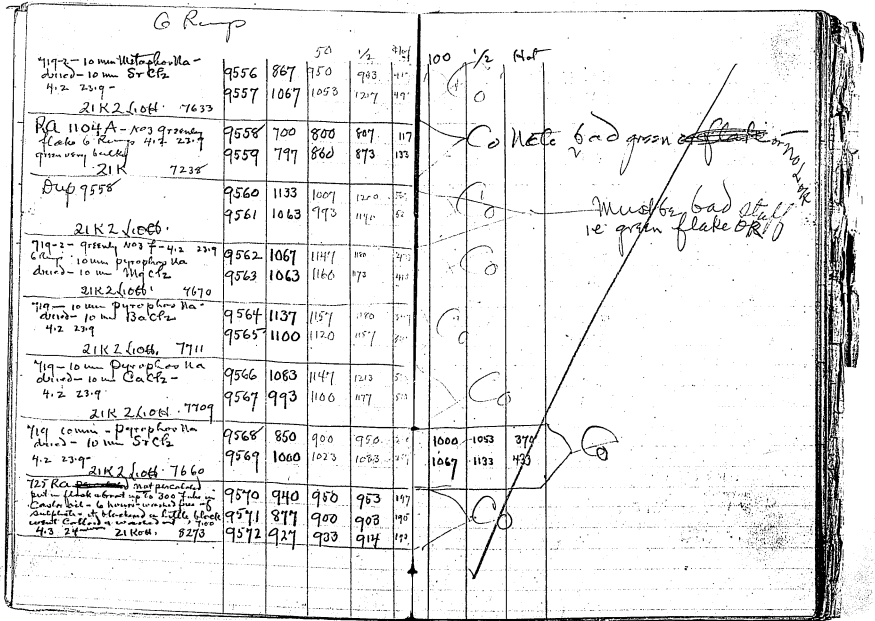


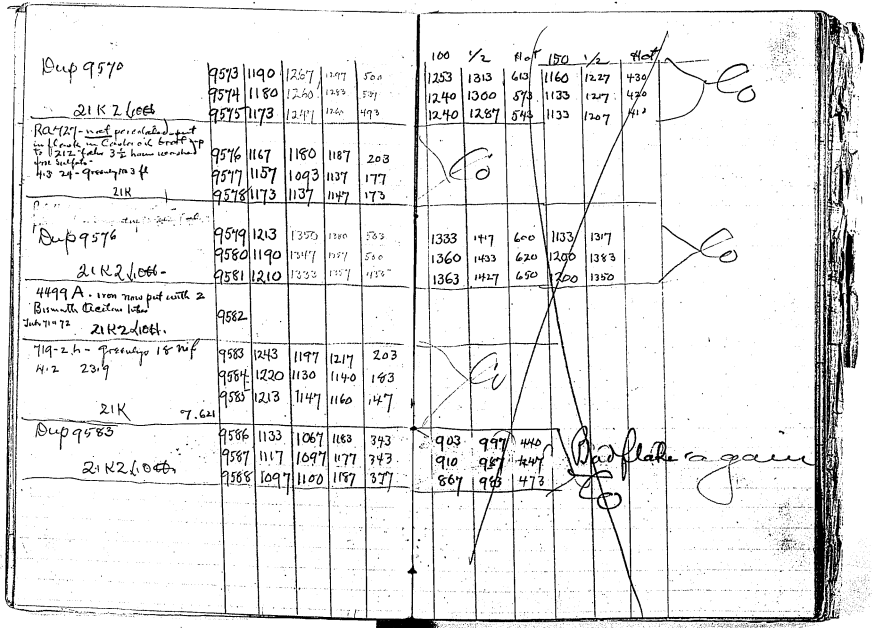
6 Ranges

		50	½	Half	100	½	Half	150	½	Half
719-2-hr Heated in Carbon oil to 450 Fahr 20 minutes — 4-2 Element 24-2	9508	1093	1157	1167	203	1057	1063	277		
	9509	1047	1080	1083	180	980	983	258	0	
21K 7084										
Dup 9508	9510	1093	1250	1263	420	1240	1287	593	1207	1347	680
	9511	1053	1210	1227	413	1183	1237	613	1177	1280	663
21K 84 2 Loh											
719-2 hr Heated in Kendex Carbon oil 212 Fahr ½ min 4-2 Element not used 24 —	9512	1167	1167	1163	173	1030	1033	253			
	9513	1183	1143	1150	170	1060	1063	243	0		
21K 7479											
Dup 9512	9514	1130	1267	1300	433	1223	1293	600	1103	1263	633
	9515	1130	1253	1277	430	1213	1297	587	1090	1263	616
21K 2 1.060 —											
719-24 Heated in Kendex Carbon oil 300 Fahr 20 minutes 4-2 Element 22.8	9516	1123	1107	1117	147	967	973	237			
	9517	1187	1143	1150	147	1053	1057	250	0		
21K											
Dup 9516	9518	1167	1273	1300	463	1233	1330	650	1050	1300	603
	9519	1167	1287	1310	527	1173	1293	677	920	1140	547
21K 2 1.060 —											
Soaked 10 mins Cal Carb (Tube) must shook — then soaked 5 min Methylene, treated with Thorin — H2O then KOH 4-2 24 Amp 719 — 21K 2 1.060 7407	9520	1183	1287	1323	583	1267	1363	743	1097	1307	617
	9521	1173	1293	1340	560	1293	1373	773	1163	1387	610
Dup Soaked Ca Cl 10 min must shook — then soak 10 min Diethyl phosphate then washed H2O 1 min 21K 2 1.060 Tube Smoke	9522	1150	1310	1363	587	1240	1333	763	1050	1283	603
	9523	1173	1317	1347	537	1260	1373	753	1173	1383	616



		30	1/2	Hot	100	1/2	Hot	150	1/2	Hot	200	1/2	Hot
719-2 h — 10 mm K Phosph. dried — 10 mm Strontn Chl. 4:2 23-9 — 21K2L10H 7710	9540	1107	1217	1250	333	1260	1343	577	1133	1240	437		
	9541	1133	1247	1257	347	1260	1387	650	1143	1257	493		
719-2 h · 10 mm Trisodic Phosphate Int gel normal set up dried — 10 mm soak 10 mm $SrCl_2$ 4:2 23:9 — 21K2L10H. 7716	9542	1227	1240	1267	467	1237	1293	533	1250	1307	570		
	9543	1253	1287	1333	470	1283	1347	573	1277	1347	550		
719-2 h 10 mm Trisodic phos water normal - dried — 10 mm $CaCl_2$ 4:2 23:9 — 21K2L10H 7721	9544	973	1117 X	1183	507								
	9545	1000	1160 X	1220	433								
719 — 10 mm Trisodic phos water normal dried — 10 mm $MgCl_2$ 4:2 23:9 — 21K2L10H. 7751	9546	987	1103	1130	327								
	9547	973	1083	1113	300								
719 10 mm Trisodic phos water normal dried — 10 mm $BaCl_2$ 4:2 23:9 — 21K2L10H. 7710	9548	1230	1247	1293	403	1273	1307	580	1327	1370	590	1267	1353	600
	9549	1233	1280	1307	427	1297	1333	563	1307	1363	540	1240	1313	567
719 10 mm Metaphosphoric Soda dried — 10 mm $BaCl_2$ 4:2 23:9 — 21K2L10H. 7699	9550	1217	1243	1247	473	1233	1290	543	1250	1303	527	1183	1267	583
	9551	1177	1177	1210	547	1213	1267	587	1233	1303	557	1167	1293	570
719 — 10 mm Metaphosphoric dried — 10 mm $MgCl_2$ 4:2 23:9 — 21K2L10H 7683	9552	817	977	1007	263								
	9553	860	1030	1053	283								
719 10 mm Metaphosphoric dried — 10 mm $CaCl_2$ 4:2 23:9 — 21K2L10H. 7694	9554	893	1087 X	1133	417								
	9555	877	1043 X	1093	440								


G Rep
50
½
100
½
Mat
Mucor bad
Mucor bad
21K2 (10 Feb)
21K2 (10 Feb) 7633
21K2 (10 Feb) 7670
21K2 (10 Feb) 7711
21K2 (10 Feb) 7709
21K2 (10 Feb) 7660
21K2 (10 Feb) 8273



Dup 9570

21K 2 106b

Rat 127 - most precipitated out in flask in Cooler oil bath up to 212 for 3½ hours somewhat fine sulfide.
H.2 29 - greenish 3 ft

21K

Dup 9576

21K 2 106 -

4499 A - iron mass put with 2 Bismuth Electron Inst
July 7 + 72

21K 2 106b.

7/9 - 2 h - Precipitate 15 ml
H.2 23.9

21K 7.621

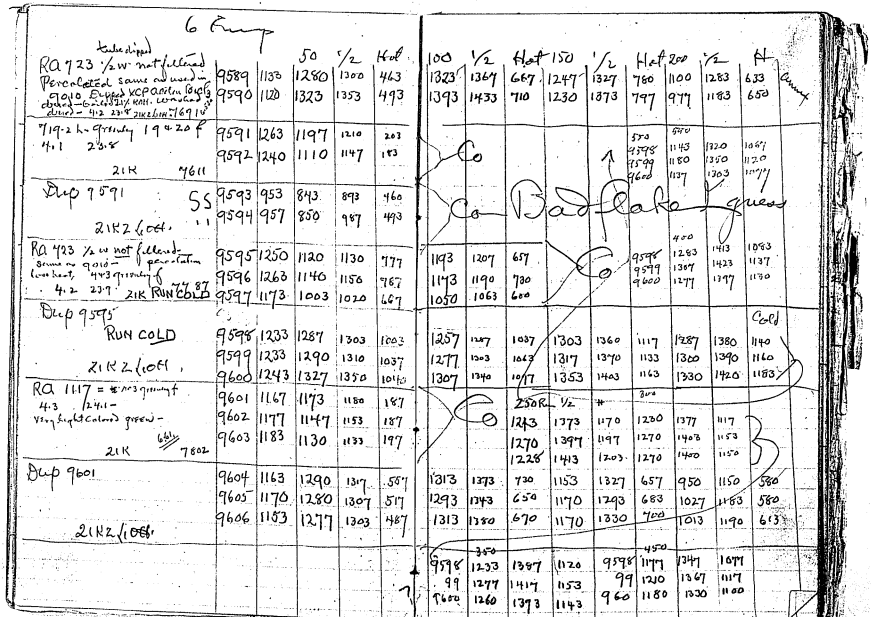
Dup 9585

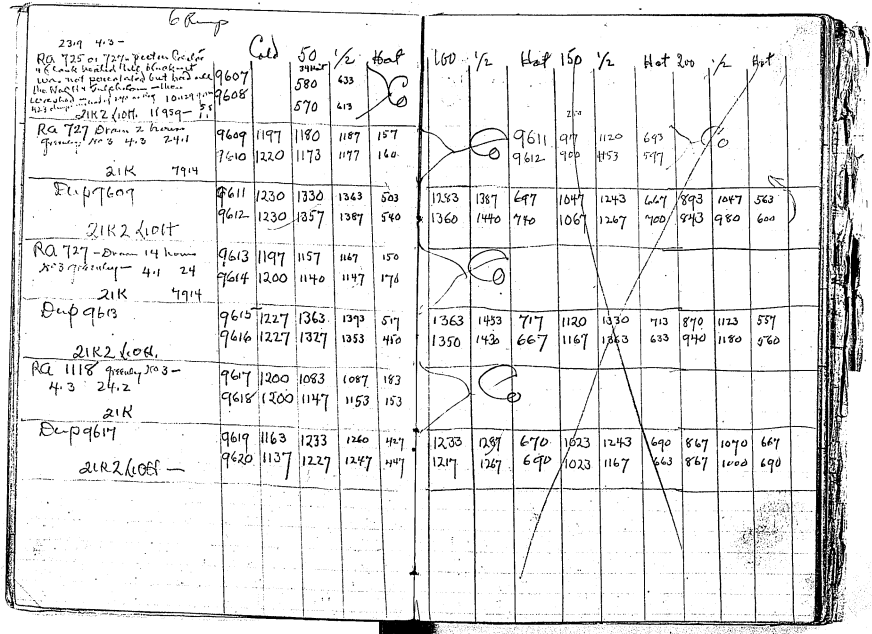
21K 2 106b

9573	1190	1267	1197	500	
9574	1180	1260	1193	507	
9575	1173	1241	1240	493	
9576	1167	1180	1187	203	
9577	1157	1093	1137	177	
9578	1173	1137	1147	173	
9579	1213	1350	1280	583	
9580	1190	1347	1287	580	
9581	1210	1333	1317	437	
9582					
9583	1243	1197	1217	203	
9584	1220	1130	1140	183	
9585	1213	1147	1160	147	
9586	1133	1067	1183	343	
9587	1117	1097	1177	343	
9588	1097	1100	1187	337	

100	½	Plat	150	½	Plat
1253	1313	613	1160	1227	430
1240	1300	573	1133	1227	420
1240	1287	544	1133	1207	413
1333	1417	600	1133	1317	
1360	1433	620	1200	1383	
1363	1427	650	1200	1350	
903	997	440			
910	987	447			
867	988	473			

Big flake again


6 Temp
Co
Co
Bad plate
guess
Co
Cold

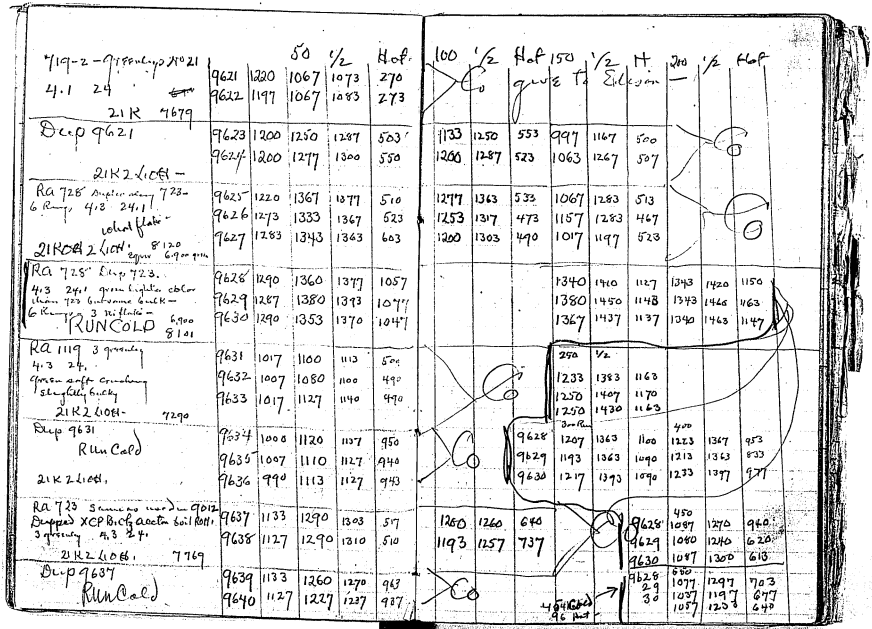


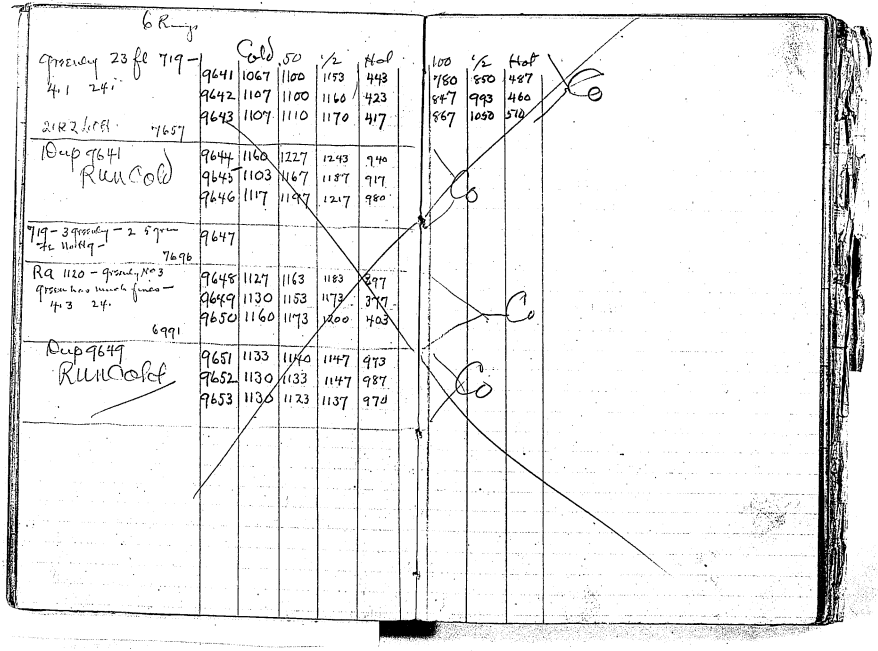
6 Rep

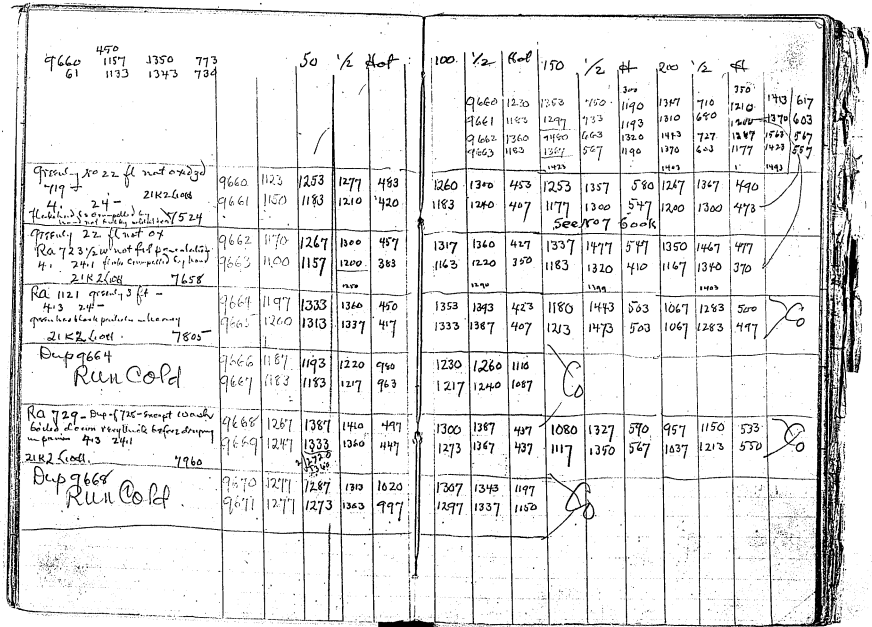
2319 4:3 –

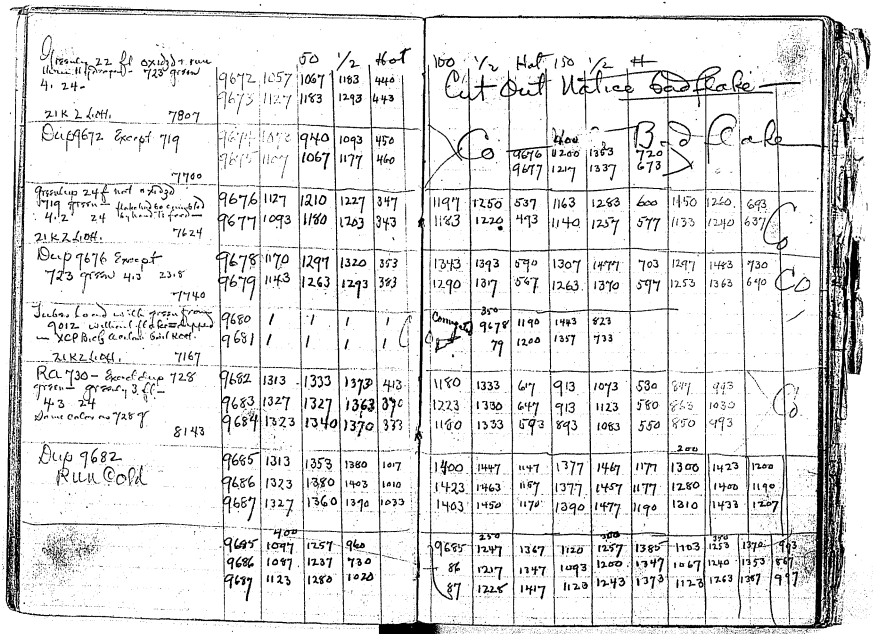
RQ 725 or 727 – Western Electric 46 Cable Printed Wire, Right-angle wire, not terminated, but bundled with the Red 14 Brightness wire. Reversed – matching wire 10439 with 433 change – 21K2 Loft 11959 – 55

	Cold	50	½	Heat	150	½	Heat	150	½	Heat	200	½	Heat
	9607	580	633										
	9608	570	613										
RQ 727 Drum 2 hours Yesterday No 3 4:3 24.1	9609	1197	1180	1187	157								
	9610	1220	1173	1177	160								
21K 7914													
Dup 9609	9611	1230	1330	1343	503	1253	1387	697	1047	1243	647	893	1047	563
	9612	1230	1357	1387	540	1360	1440	770	1067	1267	700	943	980	600
21K2 Loft														
RQ 727 – Drum 14 hours No 3 Yesterday – 4:1 24	9613	1197	1157	1147	150									
	9614	1200	1140	1147	176									
21K 7914														
Dup 9613	9615	1227	1363	1393	517	1363	1453	717	1120	1330	713	890	1123	557
	9616	1227	1327	1353	480	1350	1430	667	1167	1263	633	940	1180	580
21K2 Loft														
RQ 1118 Yesterday No 3 – 4:3 24.2	9617	1200	1083	1087	183									
	9618	1200	1147	1153	153									
21K														
Dup 9617	9619	1163	1233	1260	427	1233	1287	670	1023	1243	690	867	1070	667
	9620	1137	1227	1247	447	1217	1267	690	1023	1167	663	867	1000	690
21K2 Loft –														



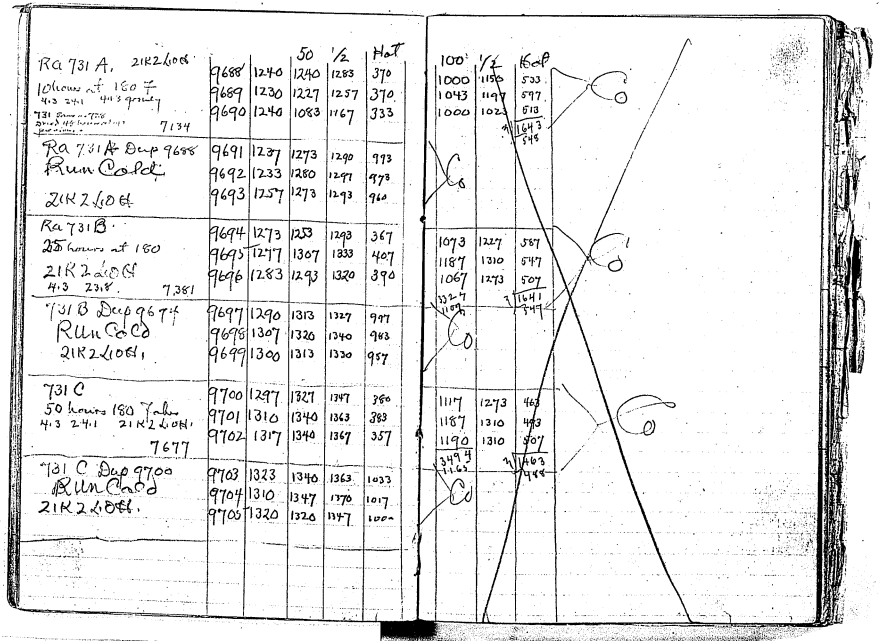

6 Rings
Cold
50
½
Hot
100
½
Hot
Greenway 23 fl 719 –
4:1 24.
9641 1067 1100 1153 443
9642 1107 1100 1160 423
9643 1107 1110 1170 417
7657
1780 850 487
847 993 460
867 1050 570
2 HR 2 hrs fl.
Dup 7641
Run Cold
9644 1160 1227 1243 940
9645 1103 1167 1187 917
9646 1117 1197 1217 980
719 – 3 greenway – 2 grn
fl Hubbly –
7696
9647
Ra 1120 – greenway No 3
grain has much grass –
4:3 24.
9648 1127 1163 1183 897
9649 1130 1153 1173 877
9650 1160 1193 1200 903
6991
Dup 7649
Run Cold
9651 1133 1140 1147 973
9652 1130 1133 1147 987
9653 1130 1123 1137 970

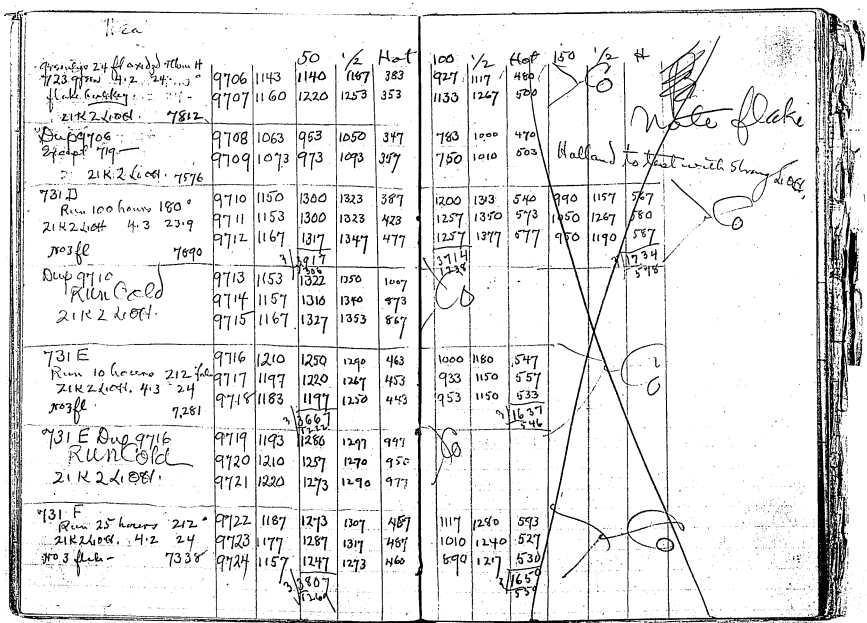




			50	1/2	Hot
Ra 731 A. 21K2606	9688	1240	1240	1283	370
10 hours at 180 ✓	9689	1230	1227	1257	370
4:3 2:41 4:3 grams	9690	1240	1083	1167	333
731 Same as 706					
2nd 48 hour run					
7134					
Ra 731 A Dup 9688	9691	1237	1273	1290	993
Run Cold.	9692	1233	1280	1297	993
21K2606	9693	1257	1273	1293	960
Ra 731 B.	9694	1273	1253	1293	367
25 hours at 180	9695	1277	1307	1333	407
21K2606	9696	1283	1293	1320	390
4:3 23:8. 7381					
731 B Dup 9694	9697	1290	1313	1327	997
Run Cold	9698	1307	1326	1340	983
21K2606	9699	1300	1313	1330	957
731 C	9700	1297	1327	1347	380
50 hours 180 Tube	9701	1310	1340	1363	383
4:3 2:41 21K2606	9702	1317	1340	1367	357
7677					
731 C Dup 9700	9703	1323	1340	1363	1033
Run Cold	9704	1310	1347	1370	1017
21K2606	9705	1320	1326	1347	1000

100	1/2	Hot
1000	1150	533
1043	1197	597
1000	1023	613
		1643
		549
1073	1227	587
1187	1310	547
1067	1273	507
3324		1641
1107		547
1117	1273	463
1187	1310	443
1190	1310	507
3494		1463
1162		488

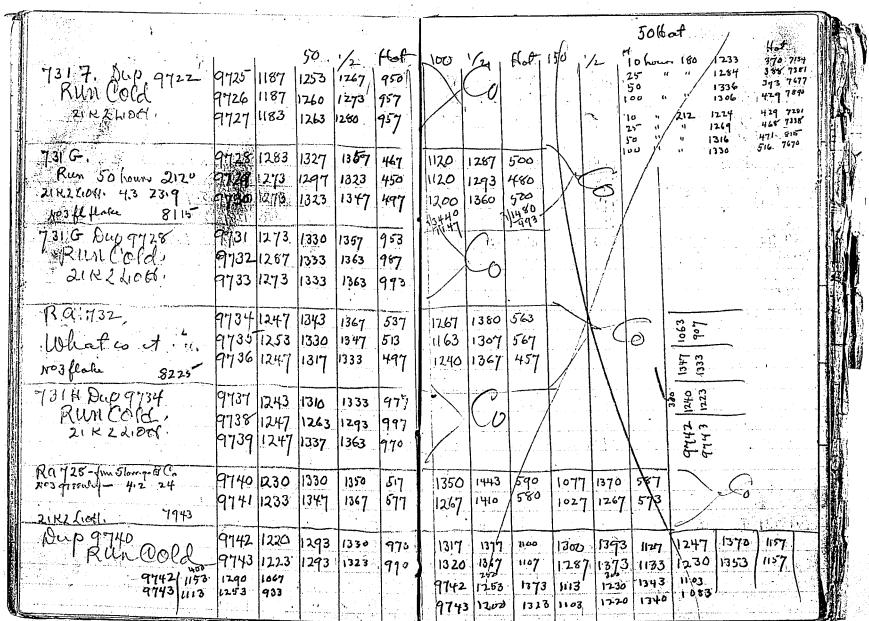


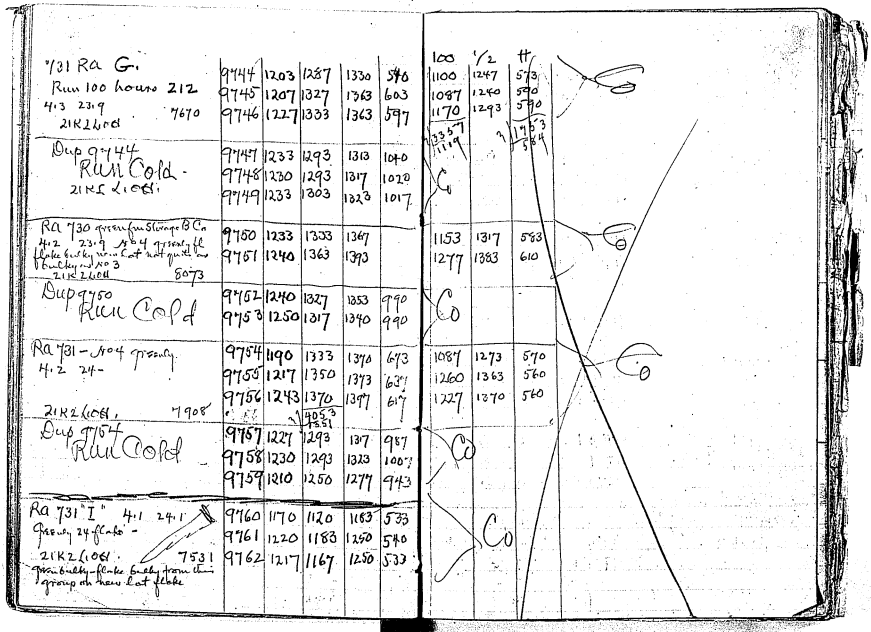


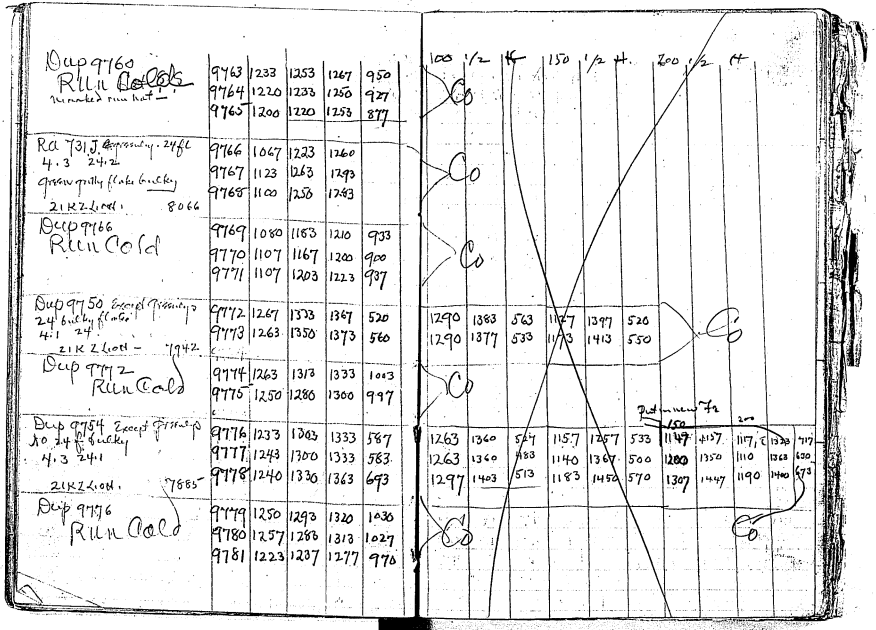
Tea

			50	½	Hat		½	Hat	150	½	#
Growing 24 flakes 70cm H						100					
723 grow 4.2 24	9706	1143	1140	1187	383	927	1117	480			
flake Cuckley	9707	1160	1220	1253	353	1133	1247	506			
21K 24 hrs. 7812											
Dup 9706	9708	1063	953	1050	347	783	1000	470			
24 hrs 719	9709	1073	973	1093	357	750	1010	503	Hallam		to test with Shuy 21 KK
21K 24 hrs. 7576											
731D	9710	1150	1300	1323	387	1200	1313	540	990	1157	567
Run 100 hours 180°	9711	1153	1300	1323	423	1257	1350	573	1050	1267	580
21K 24 hrs 4.3 23.9	9712	1167	1317	1347	477	1257	1377	577	950	1190	587
no 3 fl 7890		3	3917			3714				3	1734
			3334			1238					5918
Dup 9710	9713	1153	1322	1350	1007						
Run Cold	9714	1157	1316	1340	973						
21K 24 hrs.	9715	1167	1327	1353	867						
731E	9716	1210	1250	1290	463	1000	1180	547			
Run 10 hours 212 flakes	9717	1197	1220	1267	453	933	1150	557			
21K 24 hrs. 4.3 24	9718	1183	1197	1258	443	953	1150	533			
no 3 fl 7,281		3	3600				3	1637			
			3720					546			
731E Dup 9716	9719	1193	1286	1297	997						
Run Cold	9720	1210	1257	1270	950						
21K 24 hrs.	9721	1220	1273	1290	977						
731 F	9722	1187	1273	1307	487	1117	1240	593			
Run 25 hours 212°	9723	1177	1287	1317	487	1010	1240	527			
21K 24 hrs. 4.2 24	9724	1157	1247	1273	460	890	1217	530			
no 3 flakes 7338		3	3807				3	1650			
			3720					550			

Note flake

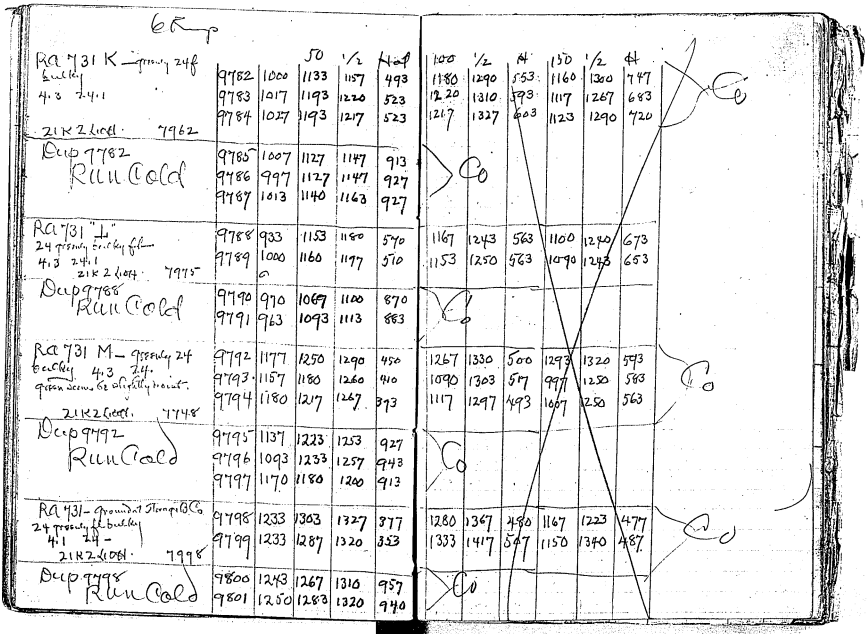

50 ½ Hot
731 7. Dup 9722
Run Cold
21K2L06F.
9725 1187 1253 1247 950
9726 1187 1260 1273 957
9727 1183 1263 1260 957
731G.
Run 50 hours 212°
21K2L06H. 43 23:9
No3 ff flake 8115
9728 1283 1327 1367 467
9729 1273 1297 1323 450
9730 1278 1323 1347 497
731G Dup 9728
Run Cold.
21K2L06G.
9731 1273 1330 1367 953
9732 1267 1333 1363 987
9733 1273 1333 1363 993
RA 732.
What co et ...
No3 flake 8225
9734 1247 1343 1367 537
9735 1253 1330 1347 513
9736 1247 1317 1333 497
731H Dup 9734
Run Cold.
21K2L06F.
9737 1243 1316 1333 977
9738 1247 1263 1293 997
9739 1247 1337 1363 970
RA 728 - from Stamp & Co
No3 flake only - 4:2 24
9740 1230 1330 1350 517
9741 1233 1347 1367 577
21K2L06H. 7943
Dup 9740
Run Cold
9742 1220 1293 1330 970
9743 1223 1293 1323 990
9742 1153 1290 1067
9743 1113 1293 933
100 ½ Hot 150 ½ Hot
1120 1287 500
1120 1293 480
1200 1360 580
1340 1440
1449 1493
1267 1380 563
1163 1307 567
1240 1367 457
1317 1377 1200 1302 1393 1127
1320 1367 1107 1287 1373 1133
9742 1253 1273 1113 1230 1343
9743 1202 1313 1103 1220 1340
50 hot
10 hours 180 1233
25 " " 1284
50 " " 1336
100 " " 1306
10 " " 212 1224
25 " " 1269
50 " " 1316
100 " " 1336
Hot
9720 7739
398 7287
393 7477
429 7499
439 7291
468 7338
471 9115
516 7470
1247 1370 1157
1230 1353 1157
1063
907
1397
1333
1240
1223
9742
9743





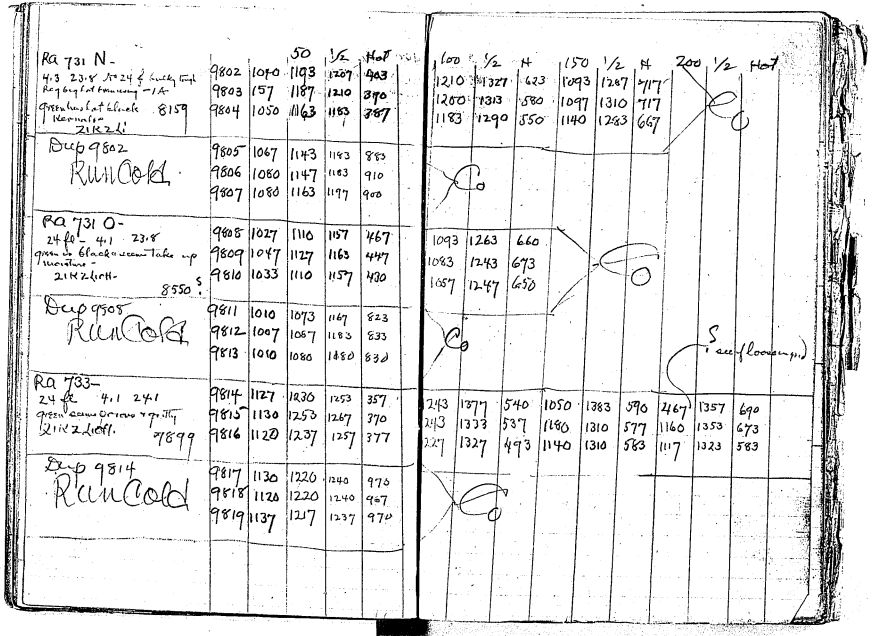
Dup 9760 Run Cold (Trimmed run last)	9763	1233	1253	1267	950
	9764	1220	1233	1250	927
	9765	1200	1220	1258	877
Ra 731 J Expressway · 24ft 4.3 24.2 Grassy gully flanks bucky 21K2 Lion 8066	9766	1067	1223	1260	
	9767	1123	1263	1293	
	9768	1100	1258	1283	
Dup 9766 Run Cold	9769	1080	1183	1210	933
	9770	1107	1167	1200	900
	9771	1107	1203	1223	937
Dup 9750 Except Trimming 24 bucky flanks 4.1 24 21K 2 Lion – 7942	9772	1267	1333	1367	520
	9773	1263	1350	1373	560
Dup 9772 Run Cold	9774	1263	1313	1333	1003
	9775	1250	1286	1300	997
Dup 9754 Except Trimming to 24 ft bucky 4.3 24.1 21K2 Lion 7885	9776	1233	1303	1333	587
	9777	1243	1300	1333	583
	9778	1240	1330	1363	693
Dup 9776 Run Cold	9779	1250	1293	1320	1030
	9780	1257	1283	1313	1027
	9781	1223	1287	1277	970

1290	1383	563	1167	1397	520							
1290	1377	533	1173	1413	550							
1263	1360	547	1157	1267	533	1147	1157	1117	1330	717		
1263	1360	783	1140	1367	500	1200	1350	1110	1368	600		
1297	1403	513	1183	1452	570	1307	1447	1190	1440	673		



6 Rep

		50	½	Half	100	½	All	150	½	All
RA 731 K — growing 24 hrs in buckley 4:3 24:1	9782	1000	1133	1157	493	1180	1290	563	1160	1380	787
	9783	1017	1193	1220	523	1220	1310	593	1117	1267	683
	9784	1027	1193	1217	523	1217	1327	603	1123	1290	720
21K2 Lloyd 7962											
Dup 9782 Run Cold	9785	1007	1127	1147	913						
	9786	997	1127	1147	927						
	9787	1013	1140	1163	927						
RA 731 "L" 24 growing in buckley 4:3 24:1 21K2 Lloyd 7995	9788	933	1153	1180	570	1167	1243	563	1100	1240	673
	9789	1000	1160	1177	570	1153	1250	563	1090	1243	653
Dup 9788 Run Cold	9790	970	1067	1100	870						
	9791	963	1093	1113	883						
RA 731 M — growing 24 hrs in buckley 4:3 24 green seems to slightly heavier 21K2 Lloyd 7998	9792	1177	1250	1290	450	1267	1330	500	1293	1320	593
	9793	1157	1180	1260	410	1090	1303	507	997	1250	583
	9794	1180	1217	1267	393	1117	1297	493	1067	1250	563
Dup 9792 Run Cold	9795	1137	1223	1253	927						
	9796	1093	1233	1257	948						
	9797	1170	1180	1200	913						
RA 731 — Groundnut Stump BCo 24 growing in buckley 4:1 24 — 21K2 Lloyd 7998	9798	1233	1303	1327	877	1280	1367	480	1167	1223	1477
	9799	1233	1287	1320	353	1333	1417	547	1150	1340	487
Dup 9798 Run Cold	9800	1243	1267	1310	957						
	9801	1250	1283	1320	940						



Ra 731 N-
4.3 23.8 Ts 24 & Lucky Strike Reg by Lot Economy - 1A
Greenhouse Lot Check Reservation 8159
2 1K 2 Ldl

	50	½	Hot
9802	1090	1193	1287	903
9803	157	1187	1210	870
9804	1050	1163	1183	887

Dup 9802
Run Cold

9805	1067	1143	1183	883
9806	1080	1147	1183	910
9807	1080	1163	1197	900

Ra 731 O-
24 fb - 4.1 23.8
green in Black + cream Take up Inventory -
2 1K 2 Ldl H- 8550 S

9808	1027	1110	1157	467
9809	1047	1127	1163	447
9810	1033	1110	1157	430

Dup 9808
Run Cold

9811	1010	1093	1167	823
9812	1007	1067	1183	833
9813	1010	1080	1180	830

Ra 733-
24 fb 4.1 24.1
green cream Orchid + Yellow
2 1K 2 Ldl. 8899

9814	1127	1230	1253	357
9815	1130	1253	1267	370
9816	1120	1237	1257	377

Dup 9814
Run Cold

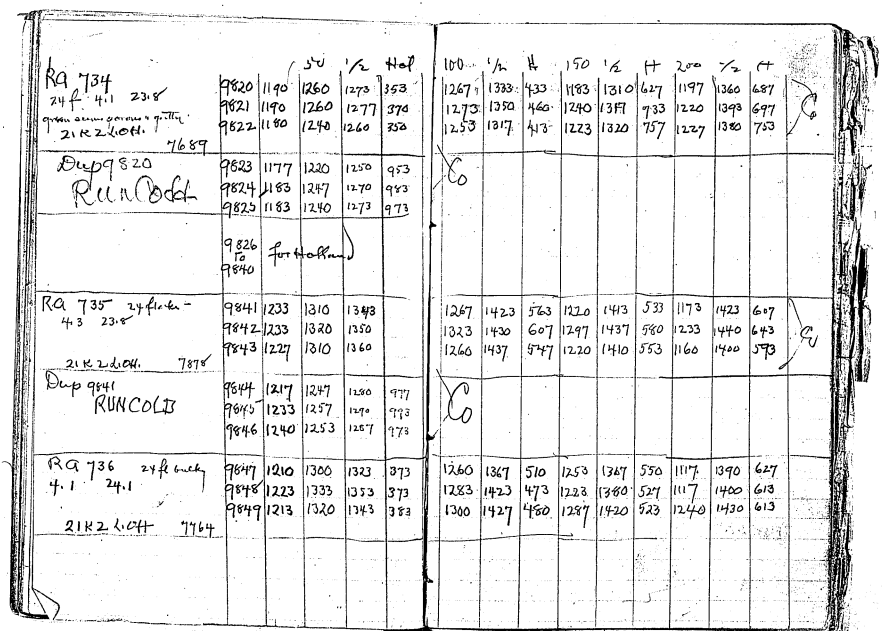
9817	1130	1220	1240	970
9818	1120	1220	1240	967
9819	1137	1217	1237	970

100	½	H	150	½	H	200	½	Hot
1210	1327	623	1093	1287	717			
1200	1313	580	1097	1310	717			
1183	1290	550	1140	1283	667			

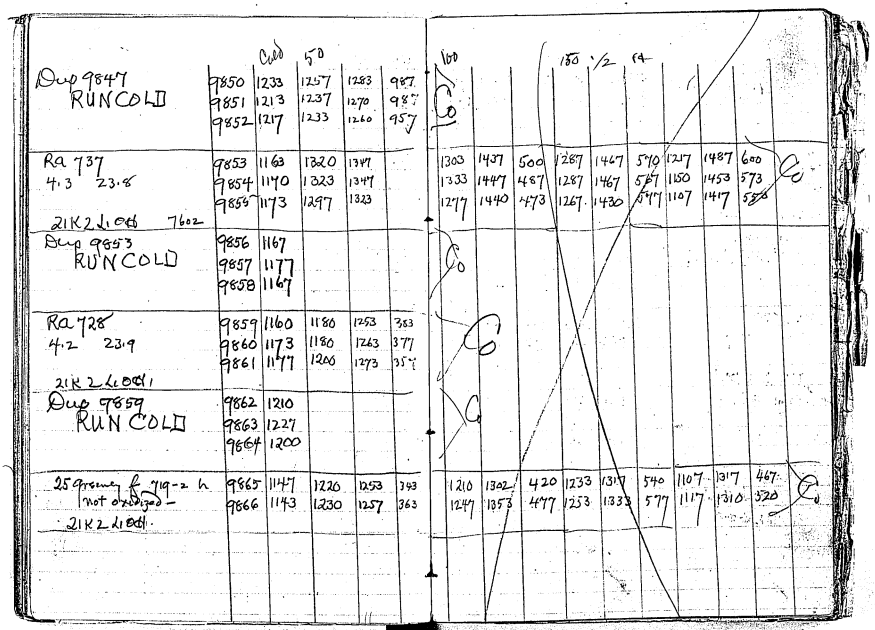
1093	1263	660
1093	1243	673
1057	1247	650

243	1377	540	1050	1383	590	467	1357	690
243	1333	537	1180	1310	577	1160	1353	673
227	1327	493	1140	1310	583	1117	1323	583

S see floorman p.1



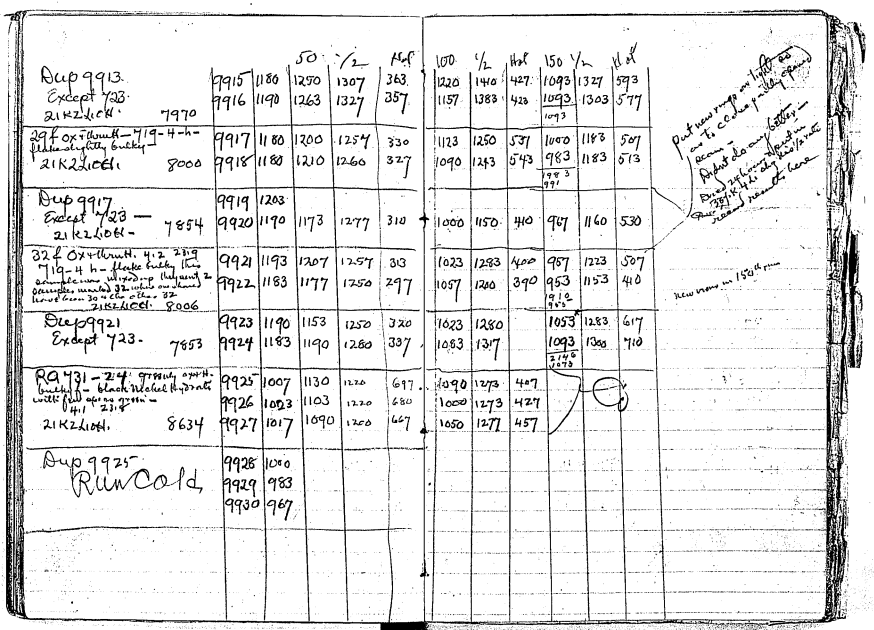
			5/8	1/2	Half	100	1/2	H	150	1/2	H	200	1/2	H
RA 734 24 ft 4.1 23.8 green acorn garrow 7 7th 21K2.10H. 7689	9820	1190	1260	1273	353	1267	1333	433	1183	1310	627	1197	1360	687
	9821	1190	1260	1277	370	1273	1350	460	1240	1317	733	1220	1393	697
	9822	1180	1240	1260	358	1253	1317	413	1223	1320	757	1227	1380	753
Dup 9820 RUNCOLD	9823	1177	1220	1250	953									
	9824	1183	1247	1270	983									
	9825	1183	1240	1273	973									
	9826 to 9840	for Hoffman												
RA 735 24 flinch - 4.3 23.8 21K2.10H. 7878	9841	1233	1310	1348		1267	1423	563	1220	1413	533	1173	1423	607
	9842	1233	1320	1350		1323	1430	607	1297	1437	580	1233	1440	643
	9843	1227	1310	1360		1266	1437	547	1220	1410	553	1166	1400	593
Dup 9841 RUNCOLD	9844	1217	1247	1290	977									
	9845	1233	1257	1290	993									
	9846	1240	1253	1287	973									
RA 736 24 ft inch 4.1 24.1 21K2.10H 7964	9847	1210	1300	1323	373	1260	1367	510	1253	1367	550	1117	1390	627
	9848	1223	1333	1353	373	1283	1423	473	1223	1360	527	1117	1400	613
	9849	1213	1320	1343	383	1300	1427	480	1287	1420	523	1240	1430	613



			50	1/2	Hot		100	1/2	41	150	1/2	42				
Dup 9865																
Except 723 4.3 24.	9867	1183	1227	1253	3571		1280	1370	387	1297	1410	567	1150	1440	487	
	9868	1167	1230	1263	367		1280	1380	393	1297	1417	520	1233	1410	463	
21K2 40H. 7498											See	NO 7	book	Commingle		
27 N.f consolidated limestone, very cavernous 719-2 hrs. Not oxidized-	9869	1160	1197	1227	360		1210	1287	433	1217	1293	513	1170	1267	420	
4. 23.8	9870	1160	1207	1233	367		1233	1300	500	1247	1320	543	1170	1397	300	
21K2 40H																
Dup 9869 flake not ox	9871	1130	1160	1200	317		1240	1333	460	1250	1347	467	1267	1410	610	See Book
Except 723 —	9872	1160	1180	1217	297		1260	1347	463	1250	1357	457	1260	1393	500	7
21K2 40H. 7461																
38 flake-bedby 719-2 h-	9873	1117	1177	1200	280		1210	1283	557	1217	1320	503	1200	1367	560	
4.2 23.8 flake not ox	9874	1127	1177	1200	320		1210	1290	523	1180	1300	530	1167	1323	490	
21K2 40H 7706																
Dup 9873	9875	1163	1213	1237			1267	1390	470	1293	1397	527	1280	1450	533	
Except 723 — flake not ox	9876	1133	1160	1197			1217	1307	400	1233	1313	450	1213	1363	473	
21K2 40H. 7463-5																
26 flake-bedby Not ox — 719-2h	9877	1050	1133	1153	333		1213	1297	327	1233	1337	393	1213	1413	543	
4.3 23.8	9878	1060	1103	1133	313		1163	1243	460	1183	1247	567	1167	1283	450	
21K2 40H - 7517																
Dup 9877 not oxidized	9879	1080	1133	1173	300		1220	1297	293	1200	1290	540	1213	1317	397	
Except 23 green. 7857	9880	1100	1157	1200	320		1213	1317	403	1250	1357	627	1260	1400	470	
21K2 40H																
28 flake Not ox exc 719-2 h	9881	1147	1183	1220	373		1230	1320	437	1267	1337	650	1243	1343	533	
4.2 23.8 — Viruses of Cavity	9882	1153	1183	1220	377		1223	1317	447	1237	1320	663	1213	1353	543	
heavy Leaves oxidized Hopewellian																
Except = thin calcite flake from the																
Mound (Green Crystal Vein) Hopewell																
Back of the Superior wood clean																
for Glass Bowl, Pipes, Adobe ST.																
Sample of from Bluff on the																
bank OX Thumbnail —																
21K2 40H. 7541																

			50	½		100	½	FT	150	½	ft	200	½	Hrf	
Drip 9881 f not ox	9883	1207	1230	1273	337	1300	1380	370	1290	1380	560	1260	1400	517	Answer
Except 723	9884	1197	1237	1283	360	1280	1317	333	1267	1383	470	1177	1437	467	
21K2 40H 7755			1237			1289			2 2535 1379			2 2393 1379			
29 flake broken not oxdzd 7/19 2 h – 4.2 23.8 21K2 40H. 7561	9885	1093	1187	1223	430	1233	1313	397	1213	1283	487	1200	1323		
	9886	1067	1150	1187	427	1183	1293	363	11880	1267	507	1187	1300		
			1144			1305			2 2393 1396			2 2357 1343			
Drip 9885 Not oxdzd f.	9887	1143	1233	1283	400	1300	1407	333	1347	1427	533	1333	1487	523	
Except 723	9888	1153	1310	1357	527	1410	1507	417	1450	1540	663	1390	1650	657	
21K2 40H 7796			1271			1355									
30 flake not oxdzd – 4.4 23.8 7/19 2 h – 21K2 40H. 7573	9889	1120	1200	1247	457	1260	1357	350	1230	1333	583	1200	1400	540	
	9890	1130	1210	1247	390	1223	1357	363	1250	1360	630	1213	1423	560	
			1205			1211									
Drip 9889 Not oxf. Except 723 21K2 40H. 7810	9891	1137													
	9892	1157	1270	1317	380	1333	1440	417	1410	1480	687	1420	1540	603	
32 f not oxdzd 7/19 2 h 4.2 23.8 21K2 40H. 7565	9893	1163	1240	1283	390	1303	1417	490	1330	1410	803	1380	1510	700	
	9894	1160	1217	1260	357	1280	1377	510	1307	1393	813	1317	1457	550	
			1224			1291									
Drip 9893 Not ox Except 723 21K2 40H. 7796	9895	1141	1280	1327	367	1380	1467	520	1200	1420	350	1330	1520	507	
	9896	1160	1283	1323	390	1417	1487	500	1260	1400	313	1360	1500	473	
			1281			1334									
34 f. broken not oxdzd 4.4 23.8 7/19 21K2 40H. 7530	9897	1110	1163	1203	353	1223	1323	476	1190	1300	393	1197	1347	537	
	9898	1090	1157	1197	367	1223	1313	440	1190	1360	423	1200	1357	500	
			1160			1293									

			50	½		100	½	4th	150	½	4th	200	½	Hoff
Dup 9897 not ox	9899	1100	1210	1240	377	1290	1387	433	1260	1400	447	1290	1437	497
Except 723- 7830	9900	1100	1190	1243	360	1267	1377	387	1223	1400	473	1300	1467	523
21K2 ½ 06 ℓ.														
36 ℓ not oxidized - bulky - 719 - 2 h - N.1 2318 -	9901	1160	1227	1273	363	1253	1397	405	1233	1400	533	1260	1430	503
21K2 ½ 06 ℓ. 7590	9902	1153	1203	1253	347	1227	1363	373	1167	1350	510	1187	1390	500
			1205											
Dup 9901 - not ox	9903	1147	1257	1300	340	1303	1413	360	1267	1430	527	1290	1500	520
Except 723														
21K2 ½ 06 ℓ - 7879	9904	1107	1197	1256	320	1240	1357	353	1253	1383	517	1290	1443	530
26 ℓ oxygen + chem Hydrogen bulky - 719 - 2 W -	9905	1130	1207	1260	373	1167	1357	440	1190	1357	623	1227	1397	560
4.3 23.8.									1133			1167		
21K2 ½ 06 ℓ. 7494	9906	1117	1180	1213	350	1200	1303	417	2325 2161	1287	540	2397 1197	1327	483
Dup 9905	9907	1167	1253	1300	323	1253	1393	363	1187	1400	590	1197	1427	
Except 723 -	9908	1157	1257	1303	373	1238	1393	313	1200	1423	580	1240	1490	
21K2 ½ 06 ℓ. 7959									2387 1193			2437 1219		
24 ℓ bulky Ox + chem Hydrogen - 719 - 4 hours drain -	9909	1133	1173	1217	330	1167	1287	363	1097	1287	477			
4.3 23.9	9910	1167	1223	1277	363	1210	1383	443	1167	1373	577			
21K2 ½ 06 ℓ. 8043									2264 1132					
Dup 9909	9911	1147	1220	1273	370	1267	1390	380	1200	1383	453	1197	1413	467
Except 723. 7989	9912	1160	1233	1283	363	1307	1413	460	1200	1480	547	1217	1440	477
21K2 ½ 06 ℓ.									1200			2417 1207		
28 ℓ bulky Ox + Chem Hydrogen Slightly bulky - 719 - 4 h - 2319	9913	1180	1237	1280	337	1227	1353	460	1033	1260	503			
21K2 ½ 06 ℓ. 8081	9914	1173	1250	1293	383	1237	1377	437	1117	1273	523			
									2150 1076					



Dup 9913.
Except 723.
21K2Lic61. 7970

9915 1180 1250 1307 363
9916 1190 1263 1327 357

1220 1140 427
1157 1383 428

1093 1327 593
1093 1303 577
1093

29 f Oxytetracyclin-HCl-719-4-h-flake activated buffy
21K2Lic61. 8000

9917 1180 1200 1254 330
9918 1180 1210 1260 327

1123 1250 537
1090 1243 543

1080 1183 507
983 1183 513
993
997

Dup 9917
Except 723 —
21K2Lic61 - 7854

9919 1203
9920 1190 1173 1277 310

1000 1150 410

967 1160 530

32 f Oxytetracyclin. 4:2 239 719-4 h- flake buffy Thin samples were stirred up frequently 2 samples marked 32 which were almost transparent 30 were clear 32
21K2Lic61. 8006

9921 1193 1207 1257 313
9922 1183 1177 1250 297

1023 1283 400
1057 1200 390

957 1223 507
953 1153 410
912
912

New straw in 150th pan

Dup 9921
Except 723. 7853

9923 1190 1153 1250 320
9924 1183 1190 1280 337

1023 1280
1083 1317

1053 1283 617
1093 1300 710
1076
1079

RA 731-24 greenish opal-H. buffy flake - black Alcohol hydrate with fluff spores green - 41 21 f
21K2Lic61. 8634

9925 1007 1130 1220 697
9926 1023 1103 1220 680
9927 1017 1090 1200 667

1090 1273 407
1000 1273 427
1050 1277 457

Dup 9925
Run Cold.

9928 1000
9929 983
9930 967

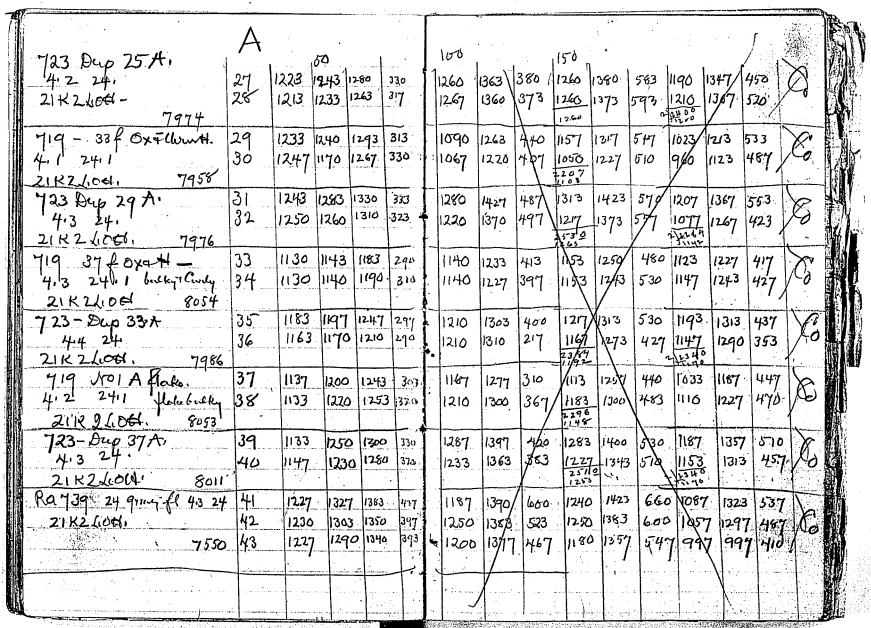
Put new trays on 1 left 20 on 2 to cool pulling spores
Adjust slide on Leitz
Bring 24 hr. culture from 28°C
Run new culture

				50			100	1/2	#	150	1/2	N	200	1/2	Wal				
35f not ox- 723 grn flake chalky 4. 24- 21K2Lioth. 7782	9931	1153	1297	1367	473		1267	1410	387	1267	1427	567	1287	1453	440				
	9932	1123	1250	1327	433		1227	1307	350	1183	1370	580	1173 (1460 1230)	1400	470				
Dup 9931 719-4 h- 4.3 24.2 21K2Lioth. 7944	9933	1087	1173	1260	410		1110	1290	377	1060	1283	510							
	9934	1107	1220	1317	477		1180	1360	410	1110	1373	533							
37f boulky clayey Chalky- 719-4-h Not ox 4.3 24.2 21K2Lioth. 7914	9935	1133	1227	1317	497		1197	1423	453	1163	1397	527	1200	1400	480				
	9936	1123	1207	1303	460		1160	1373	440	1133	1370	513	1173	1397	480				
Dup 9935 723 grtrw 7923	9937	1077	1187	1270	427		1197	1313	393	1133	1327	463							
	9938	1067	1180	1277	347		1150	1317	310	1093	1317	417							
38f bulky- 719-4 h- 4.2 24.1 21K2Lioth. 8069	9939	1093	1187	1287	353		1160	1310	363	1090	1313	457							
	9940	1077	1180	1260	430		1163	1300	377	1100	1300	480							
Dup 9939 723 grtrw 21K2Lioth. 7888	9941	1153	1297	1377	430		1307	1487	417	1263	1446	517	1257	1473	447				
	9942	1153	1273	1367	357		1247	1403	407	1183	1393	420	1273 (1540 1240)	1400	403				
39f not ox 719-4-h- 4.2 24.1 21K2Lioth. 7979	9943	1150	1253	1330	340		1213	1360	333	1127	1323	423	1123	1247	367				
	9944	1157	1213	1310	320		1193	1340	400	1163	1330	493	1107	1247	340				
Dup 9943 Except 723 grtrw 7872 21K2Lioth.	9945	1173	1307	1380	367		1320	1443	407	1267	1427	547	1223	1400	350				
	9946	1153	1283	1367	327		1303	1443	410	1220	1443	510	1160 (2283 1191)	1367	333				

6 Rings

		Cold	50	½	Hot	100	½	H	150	½	H	200	½	H
40 f not ox – 719-4-h 4.3 24.1 – grade in st – 21K26C61. 8058	9947	1177	1263	1333	353	1250	1370	417	1183	1317	433	1253	1350	540
	9948	1157	1297	1360	350	1290	1390	470	1233	1380	513	1280	1380	483
												2533 / 1266		
Dup 9947 Except 723 Green 21K26C61	9949	1163	1303	1367	343	1307	1423	477	1333	1450	610	1337	1447	507
	9950	1143	1307	1377	350	1333	1430	503	1370	1490	707	1400	1500	500
	7984											2737 / 1369		
Numbers after this are all A. Starting from Numbers –						3	1180	1397	603	1223	1433	530		
						4	1287	1450	630	1317	1478	520		
						11	1053	1230	657					
719 – Dup – 5 A	1	1143	1243	1323	283	1213	1340	487	1223	1327	587	1133	1283	390
3A – nif not ox – Flesh Grey 7881	2	1183	1253	1327	313	1240	1367	507	1267	1347	610	1143	1283	398
723-4-h-41 nif not ox 4.2 24.1 21K26C61. 7996 7881	3	1103	1223	1303	303	1233	1357	510	1260	1360	623	1230	1390	400
	4	1147	1300	1377	333	1323	1433	560	1350	1437	607	1333	1440	490
719-4-h-42 f not ox – 4.4 24.1 Curley Grey 21K26C61 7956	5	1050	1103	1177	303	1097	1193	457	1093	1200	510	1080	1210	420
	6	1037	1090	1153	287	1093	1170	550	1093	1167	450	1077	1180	373
723 – Dup 5A. 21K26C61 7892	7	1053	1133	1277	230	1117	1223	403	1133	1230	480	1133	1243	450
	8	1060	1133	1223	293	1133	1247	410	1160	1263	457	1177	1293	400
719 – 30 Flesh Ox + Thumb 4.1 24.1 Flesh Grey 21K26C61 8065	9	1207	1263	1333	347	1177	1363	367	1160	1316	577	993	1143	533
	10	1223	1243	1333	313	1063	1307	473	1133 / 2293 / 1146	1293	643	990	1163	587
											554			

flakey hard H bubbled thru H 504 probably bad		A	Cold	50	1/2	H	100	1/2	H	140	1/2	H			
723 - Dup 9 A -	11		1223	1300	1377	320	1327	1440	557	1310	1410	743	1253	1410	650
4. 24 -	12		1210	1293	1380	323	1410	1513	653	1387	1500	917			
21K2 Lodi. 8052										2497 1348					
719-H 4- 32 flake	13		1210	1300	1363	353	1290	1413	557	1260	1370	643	1047	233	523
oxH thru H —	14		1193	1287	1347	363	1250	1380	623	1213	1380	653	1433	1227	523
4.3 24.1										2473 1236			2480 1240		
21K2 Lodi 8155															
723 Dup 13 A.	15		1190	1287	1387	340	1257	1397	563	1213	1370	617	1073	1230	520
4.3 24.	16		1230	1400	1470	380	1330	1510	587	1260	1437	710	993	1233	567
21K2 Lodi 7996										2473 1235			2486 1243		
719-4 4- 34 ff oxH	17		1090	1167	1227	270	1153	1243	370	1165	1263	557	1153	1267	460
thru H - 4.2 24.1	18		1067	1157	1217	300	1157	1243	340	1180	1267	500	1167	1260	393
21K2 Lodi 7966										2473 1176			2520 1260		
723 - Dup A. 17	19		1090	1197	1260	293	1200	1300	367	1220	1307	550	1213	1333	443
4.4 24.	20		1047	1130	1197	263	1103	1210	397	1183	1233	460	1167	1270	300
21K2 Lodi. 7916										2473 1176			2520 1260		
719- 35 ff oxH thru H.	21		1063	1197	1250	237	1173	1263	493	1183	1267	463	1167	1260	437
4.1 24.1	22		1063	1153	1223	320	1163	1243	617	1157	1263	567	1150	1267	437
21K2 Lodi. 7963										2470 1170					
723 Dup 21 A.	23		1040	1153	1223	287	1163	1263	473	1157	1260	477	1150	1280	403
4.3 24.	24		1057	1167	1240	280	1187	1277	447	1260	1293	470	1197	1307	443
21K2 Lodi. 7886										2503 1178			2543 1269		
719-36 ff oxH thru H.	25		1200	1267	1287	227	1210	1280	290	1183	1317	543	1123	1260	487
4.3 24.1	26		1200	1223	1250	303	1210	1307	397	1230	1333	620	1063	1267	527
21K2 Lodi 8081										2413 1206					



A

		60				100			150					
723 Dup 25A, 4.2 24, 21K2L06L- 7974	27	1223	1243	1280	330	1260	1363	380	1260	1380	583	1190	1347	458
	28	1213	1233	1263	317	1247	1360	373	1260	1373	573	1210	1367	520
719 - 33f Oxf Hunt. 4.1 24.1 21K2L06L. 7958	29	1233	1240	1293	313	1090	1263	440	1157	1217	547	1023	1213	533
	30	1247	1170	1267	330	1067	1220	407	1050	1227	510	940	1123	487
723 Dup 29A. 4.3 24. 21K2L06L. 7976	31	1243	1283	1330	383	1280	1427	487	1313	1423	570	1207	1367	553
	32	1250	1260	1310	323	1220	1370	497	1227	1373	577	1077	1267	423
719 37f Oxf H — 4.3 24.1 Buckingham 21K2L06L 8054	33	1130	1143	1183	290	1140	1233	413	1153	1250	480	1123	1227	417
	34	1130	1140	1190	310	1140	1227	397	1153	1243	530	1147	1243	427
723 - Dup 33A 4.4 24 21K2L06L. 7986	35	1183	1197	1247	297	1210	1303	400	1217	1313	530	1193	1313	437
	36	1163	1170	1210	270	1210	1310	217	1169	1273	427	1147	1290	353
719 No1 A Flake. 4.2 24.1 Hollobully 21K2L06L. 8053	37	1137	1200	1243	303	1167	1277	310	1113	1257	440	1033	1187	447
	38	1133	1220	1253	320	1210	1300	367	1183	1300	483	1116	1227	470
723 - Dup 37A 4.3 24 21K2L06L. 8011	39	1133	1250	1300	330	1287	1397	400	1283	1400	530	1187	1357	510
	40	1147	1230	1280	320	1233	1363	363	1227	1343	513	1153	1313	457
Ra 739 24 grey ff 4.3 24 21K2L06L. 7550	41	1227	1327	1383	437	1187	1390	600	1240	1423	660	1087	1323	537
	42	1230	1303	1350	397	1250	1383	523	1250	1383	600	1857	1297	467
	43	1227	1290	1340	393	1200	1377	467	1180	1357	547	997	997	410

	A					
Dep 41 A. Run Cold	44	1217				
	45	1240				
21 RZ Cloth.	46	1243				
RA 745 24 grams	47	1237	1187	1367	407	
4.2 23.9	48	1240	1217	1367	417	
21 RZ Cloth Mucilage made up used same day	49	1223	1420	1453	447	
7544						
Dep 47 A. Run Cold	50	1253				
	51	1250				
21 RZ 4.	52	1233				
RA 742 dried deep grams 24 grams 6 cloth	53	1173	1323	1363	430	
4.3 24.2	54	1200	1350	1363	433	
21 RZ Cloth. 7695	55	1183	1330	1367	420	
Dep 53 A. Run Cold	56	1180				
	57	1187				
21 RZ 4'	58	1183				
Expmt 1 = X'4 1A. ox black 20 pancreas reduced by pumping 24 hrs through HZ504 gave light wet stuff - 4 hours standing 718 green	59	1183	1257	1300	413	
	60	1193	1287	1320	417	
	61	1200	1360	1400	450	
4.2 23.8 7557						

47 = used Reg having 7½ from 5 Bl. heifer

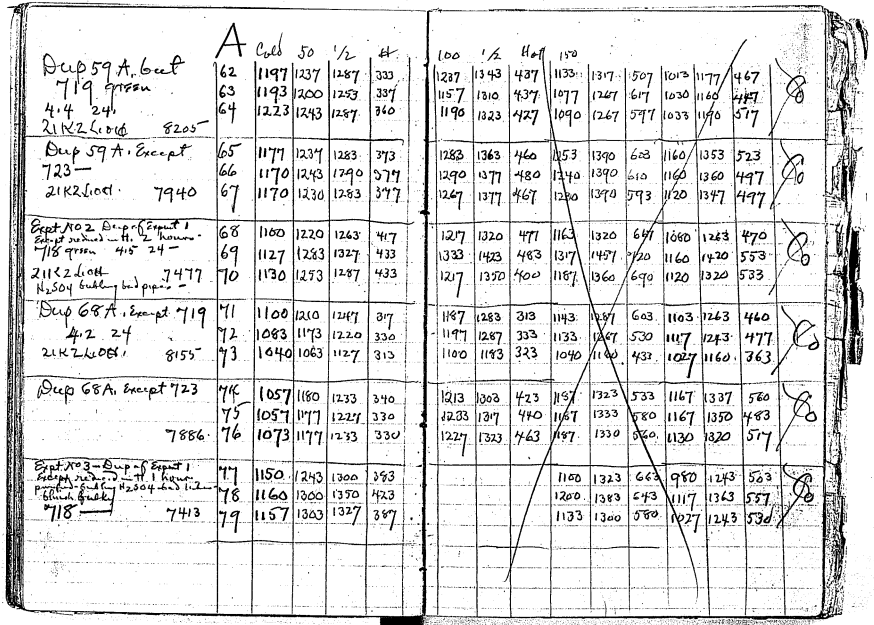
50

100 ½ Hrl

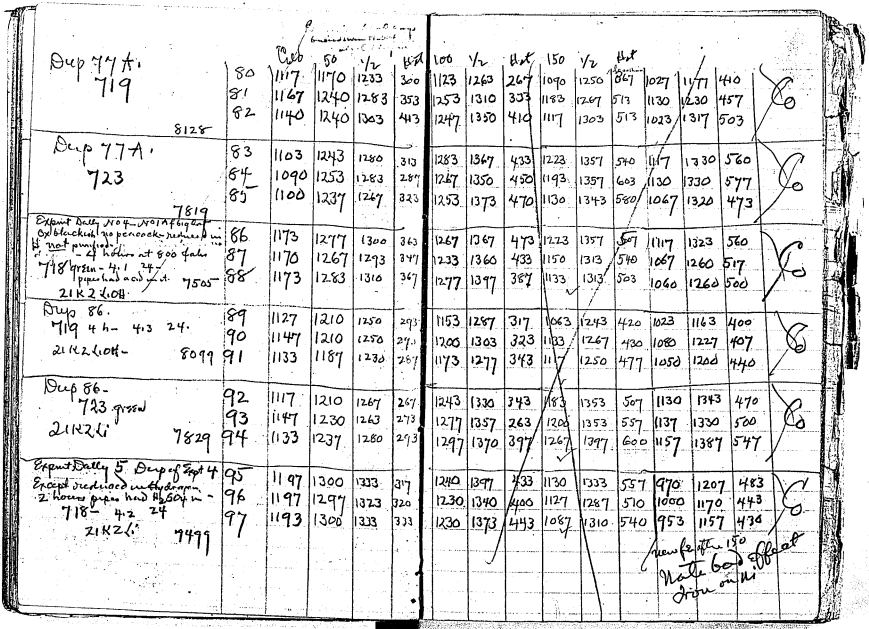
1307	1453	647	1153	1400	517	822	987	380	
1250	1393	503	1120	1333	537	887	1067	410	
1393	1500	530	1400	1513	647	1133	1400	490	
1303	1440	423	1280	1397	620	1083	1367	530	
1290	1363	327	1280	1400	607	1053	1347	533	
1250	1340	303	1300	1400	630	1150	1363	1150	
1250	1347	370	1190	1343	660	1053	1263	500	
1280	1383	410	1227	1377	703	1107	1283	447	
1357	1460	500	1290	1450	470	1120	1400	583	

1/37 07
1/12 36

Mean 7½ after mixt. of meals Reg



	A	Cold	50	½	H	100	½	Half	150					
Dup 59 A. beet	62	1197	1237	1287	333	1287	1343	437	1133	1317	507	1013	1177	467
719 green	63	1193	1200	1253	337	1157	1310	437	1077	1247	617	1030	1160	447
4:4 24	64	1223	1243	1287	340	1190	1323	427	1090	1267	597	1033	1190	577
21K2 Lioth 8205														
Dup 59 A. Except	65	1177	1237	1283	373	1283	1363	460	1253	1390	603	1160	1353	523
723	66	1170	1243	1290	379	1290	1377	480	1240	1390	610	1160	1360	497
21K2 Loch 7940	67	1170	1230	1283	377	1247	1377	467	1280	1390	593	1220	1347	497
Expt No 2 Dup of Expt 1	68	1160	1220	1263	417	1217	1320	471	1163	1320	647	1060	1263	470
718 green 4:5 24	69	1127	1283	1327	433	1333	1423	483	1317	1457	720	1160	1420	553
21K2 Loch 7477	70	1130	1253	1287	433	1217	1350	400	1187	1360	640	1120	1320	533
Dup 68A. Except 719	71	1100	1210	1247	317	1187	1283	313	1143	1287	603	1103	1243	460
4.2 24	72	1083	1173	1220	330	1197	1287	333	1133	1267	530	1117	1243	477
21K2 Loch 8155	73	1040	1063	1127	313	1100	1193	323	1040	1160	433	1027	1160	363
Dup 68A Except 723	74	1057	1180	1233	340	1213	1303	423	1197	1323	533	1167	1337	560
	75	1057	1177	1227	330	1233	1317	440	1167	1333	580	1167	1350	483
7886	76	1073	1177	1233	330	1227	1323	463	1187	1330	560	1130	1320	517
Expt No 3 - Dup of Expt 1	77	1150	1243	1300	393				1150	1323	663	980	1243	563
718 —	78	1160	1300	1350	423				1200	1383	643	1117	1363	557
7443	79	1157	1303	1327	387				1133	1300	580	1027	1243	530



Dup 77A.
719
8128

	Cub	50	1/2	Hot	100	1/2	Hot	150	1/2	Hot			
80	1117	1170	1233	300	1123	1263	267	1090	1250	867	1027	1171	440
81	1167	1240	1283	353	1253	1310	333	1183	1267	513	1130	1230	457
82	1140	1240	1303	443	1247	1350	410	1117	1303	513	1023	1317	503

Dup 77A.
723
7819

83	1103	1243	1280	313	1283	1367	433	1223	1357	540	1117	1330	560
84	1090	1253	1283	287	1267	1350	450	1193	1397	603	1130	1330	577
85	1100	1237	1247	323	1253	1373	470	1130	1343	580	1067	1320	473

Expect Daily 10 of NOT Figure
by blacksmith no peacocks required
if not purchased
4 hours at 800 Gals
718 green - 4:1 24
purchased acid
21K2 40H
7505

86	1173	1277	1300	363	1267	1367	473	1223	1357	567	1117	1323	560
87	1170	1267	1293	347	1233	1360	433	1150	1313	540	1067	1260	517
88	1173	1283	1310	367	1277	1377	387	1133	1313	503	1040	1260	500

Dup 86.
719 4 h- 43 24.
21K2 40H-
8099

89	1127	1210	1250	293	1153	1287	317	1063	1243	420	1023	1163	400
90	1147	1210	1250	270	1200	1303	323	1133	1267	430	1080	1227	407
91	1133	1187	1230	287	1173	1277	343	1117	1250	477	1050	1200	440

Dup 86-
723 green
21K2 40H
7829

92	1117	1210	1267	267	1243	1330	343	1183	1353	507	1130	1343	470
93	1147	1230	1263	273	1277	1357	263	1200	1353	557	1137	1330	580
94	1133	1237	1280	293	1297	1370	397	1267	1397	600	1157	1387	547

Expect Daily 5 Drop of Sept 4
Expect discolored water again -
2 hours green mud H2SO4 in -
718 42 24
21K2 40H
7499

95	1197	1300	1333	317	1240	1397	433	1130	1333	557	970	1207	483
96	1197	1297	1323	320	1230	1340	400	1127	1267	510	1000	1170	443
97	1193	1300	1333	333	1230	1373	443	1087	1310	540	953	1157	430

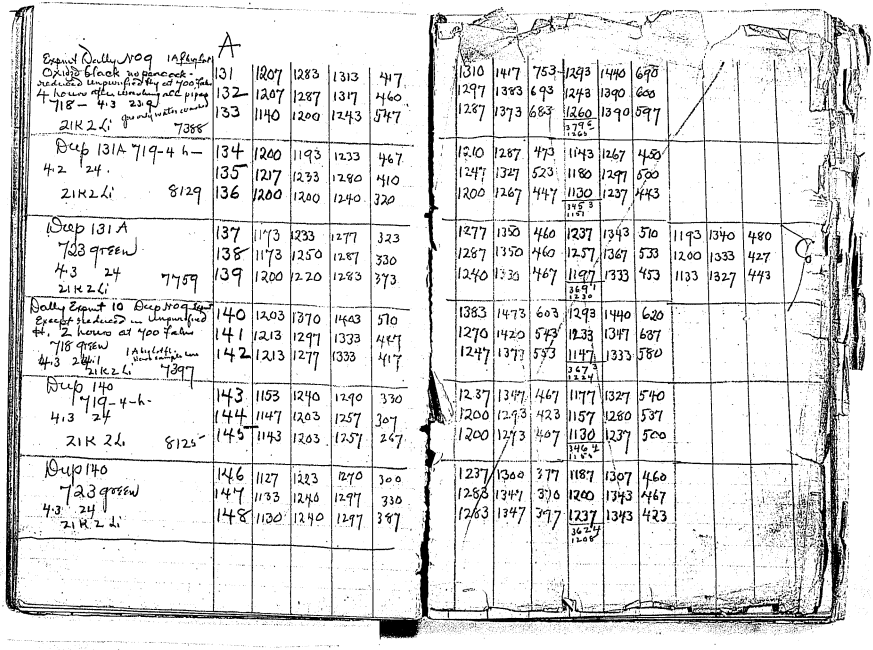
Increase after 150 offset
Make 60 on M
Drop on M

	A	Cold 50	½	H	100	½	H	150	½	Hot			
Dep 95 –													
719 4 h – 4.3 24	98	1183	1267	1293	270	1180	1300	367			1000	1133	420
	99	1183	1277	1303	253	1177	1317	340			1030	1183	477
21K24 8098	100	1180	1233	1287	247	1130	1207	313			1087	1293	453
Dep 95	101	1170	1297	1307	277	1370	1417	573	1370	1510	763	1217	1437	403
723 green 4.2 24	102	1180	1307	1330	277	1360	1403	580	1347	1430	733	1197	1403	453
21K24 7834	103	1167	1277	1303	283	1347	1370	493	1277	1380	623	1153	1320	437
Expert Body – NOT A big cut Hecker Okidyd block happened each side caused by slipping of Hydrogen at 800 Tabs 2 heavy after washing green fine + cast – sediment: 718 green 4.2 23.9 Bubbly 7400 21K24 Both.	104	1217	1290	1313	300	1273	1367	487	1193	1326	557			
	105	1197	1267	1293	297	1267	1350	517	1193	1313	563			
	106	1190	1263	1287	303	1273	1343	533	1193	1303	583			
Dep 104 A	107	1210	1233	1257	297	1260	1333	487	1193	1320				
719 – 4h – 4.2 24 –	108	1183	1230	1260	323	1223	1330	470	1163	1300				
21K24 068. 8167	109	1193	1233	1263	277	1230	1320	460	1133	1283				
Dep 104 A	110	1190	1260	1297	287	1317	1393	457	1223	1397	490	1187	1360	423
723 green	111	1187	1260	1300	310	1293	1377	460	1193	1330	470	1133	1310	440
4.2 24	112	1163	1230	1267	290	1293	1350	407	1210	1353	437	1217	1367	477
24K24 068 – 7898														

Difference in loads Dup 7 with 719 in
dish. To different loads Dup 7 brush Dup grass 8150
Thin Clay 7800 —

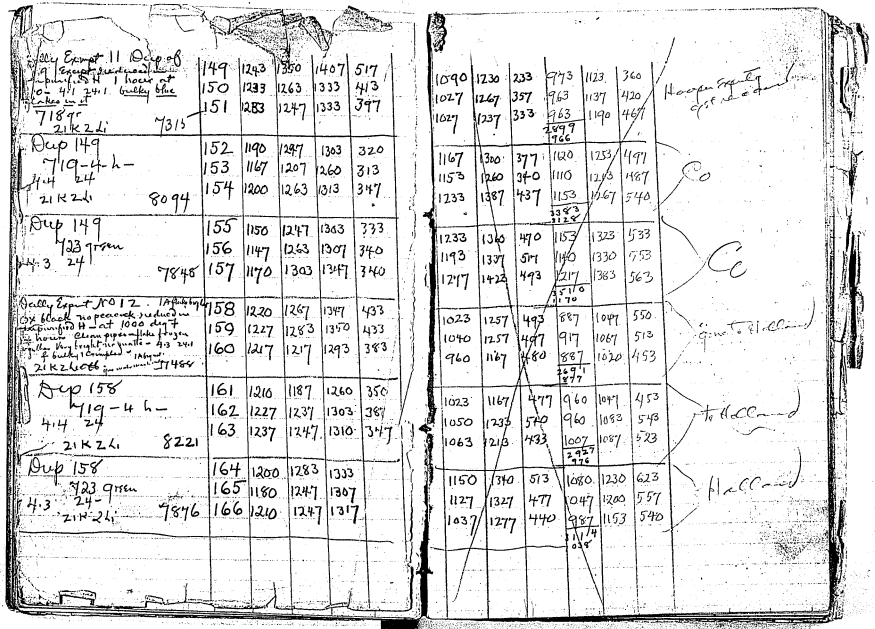
Expmt Daily-1907			50	½	H	
Except 4 hours in Hydrogen (unpurified) —	113	1210	1307	1350	350	
4. 23.9 of bucky — 718 green	114	1217	1330	1367	383	
21K2L60H. 7399	115	1223	1267	1330	387	
Dup 113 A.	116	1267	1250	1293	337	
719-4 h	117	1270	1257	1300	333	
4.3 24. 8210	118	1260	1237	1283	310	
21K2L						
Dup 113 A.	119	1233	1240	1283	343	
723 green	120	1260	1293	1330	340	
4. 24-						
21K2L 7579	121	1224	1267	1320	287	
Daily Expmt 8— Dup of 106 except 1 hour	122	1223	1320	1360	357	
718 4. 23.9	123	1200	1310	1353	377	
21K2L60H 7395	124	1210	1297	1333	357	
Dup 122	125	1240	1240	1287	343	
719-4 h.	126	1267	1287	1327	373	
4.3 24	127	1240	1246	1283	360	
21K2L 8124						
Dup 122	128	1213	1263	1310	413	
723 green	129	1207	1240	1283	350	
4.1 24- 7814	130	1207	1247	1307	333	

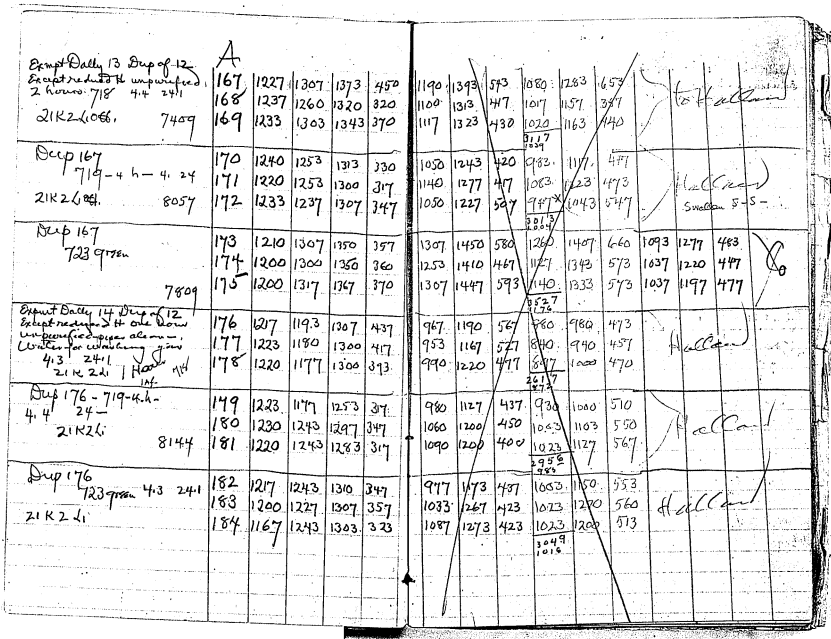
100	½	H	150	½	H			
1173	1350	493	1053	1223	470			
1213	1367	547	1077	1273	560			
1183	1317	563	1077	1250	557			
1200	1330	510	1100	1263	573			
1213	1307	490	1143	1247	523			
1213	1360	437	1120	1250	507			
1283	1357	453	1173	1317	507			
1313	1390	498	1170	1347	517			
1243	1357	457	1067	1280	480			
1290	1393	583	1180	1333	540			
1290	1390	513	1120	1290	547			
1290	1377	553	1190	1333	577			
1220	1307	485	1123	1253	513			
1297	1373	527	1200	1333	570			
1213	1303	547	1113	1267	483			
1317	1397	580	1253	1383	523	1237	1430	560
1286	1357	613	1213	1378	487	1197	1353	503
1327	1397	633	1237	1387	527	1217	1377	463



Exp. Daily Prod 1 Alkylation	A					
Oxide Black no pancake -	131	1207	1283	1313	447	
reduced unpumped 4 hrs at 400 Fahr	132	1207	1287	1317	460	
4 hours after circulated and piping	133	1140	1200	1243	547	
718 – 4.3 24 gal						
21K24 7388						
Dup 131A 719-4 h –	134	1200	1193	1233	467	
4.2 24.	135	1217	1233	1280	410	
21K24 8129	136	1200	1200	1240	320	
Dup 131 A	137	1173	1233	1277	323	
723 green	138	1173	1250	1287	330	
4.3 24	139	1200	1220	1283	373	
21K24 7759						
Daily Exp. 10 Dup No 9 last	140	1203	1370	1403	510	
Except sle reduced — unpumped	141	1213	1297	1333	447	
ht. 2 hours at 400 Fahr	142	1213	1277	1333	417	
718 green 1 Alkylation on						
4.3 24 gal sleeve						
21K24 7397						
Dup 140	143	1153	1240	1290	330	
719-4-h-	144	1147	1203	1257	307	
4.3 24	145	1143	1203	1257	267	
21K24 8125						
Dup 140	146	1127	1223	1270	300	
723 green	147	1133	1240	1297	330	
4.3 24	148	1130	1240	1297	387	
21K24						

1310	1417	753	1293	1446	693				
1297	1383	693	1248	1390	600				
1287	1373	683	1260	1390	597				
			1279						
			1265						
1210	1287	473	1143	1267	450				
1247	1327	523	1180	1297	500				
1200	1267	447	1130	1237	443				
			1155						
			1121						
1277	1350	460	1237	1343	510	1193	1340	480	
1287	1350	460	1257	1367	533	1200	1333	427	
1240	1333	467	1197	1333	453	1133	1327	443	
			1247						
			1230						
1383	1473	603	1293	1440	620				
1270	1420	543	1233	1347	687				
1247	1377	583	1147	1333	580				
			1273						
			1224						
1237	1347	467	1177	1327	540				
1200	1293	423	1157	1280	587				
1200	1273	407	1130	1237	500				
			1162						
			1145						
1237	1300	377	1187	1307	460				
1283	1347	376	1200	1343	467				
1263	1347	397	1237	1343	423				
			1227						
			1208						





Except Daily 13 Dup of 12
Except readings unwinged
2 hours 7/8 4.4 241
21K24068. 7409

A

167	1227	1307	1373	450
168	1237	1260	1320	820
169	1233	1303	1343	370

1190	1393	593	1080	1283	653
1100	1313	447	1017	1157	387
1117	1323	430	1020	1163	440

Dup 167
719-4 h- 4.24
21K24 8057

170	1240	1253	1313	330
171	1220	1253	1300	317
172	1233	1237	1307	347

1058	1243	420	982	1117	471
1140	1277	447	1063	1223	473
1050	1227	527	947	1043	547

Dup 167
723 green
7809

173	1210	1307	1350	357
174	1200	1300	1360	360
175	1200	1317	1367	370

1307	1450	580	1260	1407	660
1253	1410	467	1127	1343	573
1307	1447	593	1140	1333	573

1093	1277	483
1037	1220	447
1037	1197	477

Except Daily 14 Dup of 12
Except readings 2 H one down
unwinged open ale m—
Written for obtaining from
4.3 241
21K24 Hall

176	1217	1193	1307	437
177	1223	1180	1300	417
178	1220	1177	1300	393

967	1190	567	960	980	473
953	1167	527	880	990	457
990	1220	477	897	1000	470

Dup 176 - 719-4 h-
4.4 24-
21K24
8144

179	1233	1177	1253	397
180	1230	1243	1297	347
181	1220	1243	1283	317

980	1127	437	930	1000	510
1060	1200	450	1043	1103	550
1090	1200	400	1023	1127	567

Dup 176
723 green 4.3 241
21K24

182	1217	1243	1310	347
183	1200	1227	1307	357
184	1167	1243	1303	323

977	1173	497	1053	1150	553
1033	1267	423	1023	1200	560
1087	1273	423	1023	1207	573

Purified H—
Expt Date 15— 1 Aug 1967
Ox black no peacock-yeast dubos
6% purified H, Diagram ext 1000
pH 7.2 cleaned - 4 Hours
718— purified Mg++ Chromic mix 86
4.1 24 7424

Recorded How purified

	Cold	50	1/2	H
	185	1113	1167	1253	287
	186	1107	1227	1277	287
	187	1113	1233	1300	323

	100	1/2	H	150	1/2	H ext
	933	1190	580	1603	1200	640
	1057	1258	597	983	1173	573
	1043	1230	470	967	1150	583
				2953		
				984.3		

Hall and

Dup 185
719—
4.1 24 7971

188	1083	1110	1190	267
189	1100	1167	1240	303
190	1097	1200	1257	280

887	1033	370	890	990	390	
953	1040	343	890	963	417	
933	1083	337	917	990	347	
			2697			
			899			

Hall and

Dup 185
723
4.2 24.1 7695
297 Lower

191	1090	1230	1293	313
192	1093	1190	1277	300
193	1080	1223	1300	297

987	1187	347	940	1053	383	
950	1053	297	893	993	377	
987	1100	333	968	1060	400	
			2797			
			931			

Hall and

Expt 16 Daily Centrifuge Sheets
Officially deposited in Emmy 1968
Ox black no peacock
Dup 194 Dup 185 Dup 195 Dup 196
2 hours at 980 Tab
Tube were stuck together Compressed
Emmy 118
Solvent is in Emmy
Solvent is in Emmy
Emmy 118 Z1K22H-X 7688

194	1127	1327	1360	367
195	1133	1320	1343	357
196	1130	1343	1367	417

1260	1377	490	1167	1303	603	1107	1280	553
1277	1357	523	1210	1310	703	1133	1287	563
1320	1427	643	1307	1373	843	1210	1367	625
			1230?					

Dup 194
719 4.h.
4.1 24 7811
286 Z1K22i

197	1080	1287	1323	350
198	1097	1297	1337	363
199	1097	1290	1323	347

1353	1413	597	1293	1417	623	1163	1363	543
1350	1447	516	1243	1350	540	1150	1300	527
1327	1400	447	1233	1323	520	1133	1287	477
			3769					
			1289					

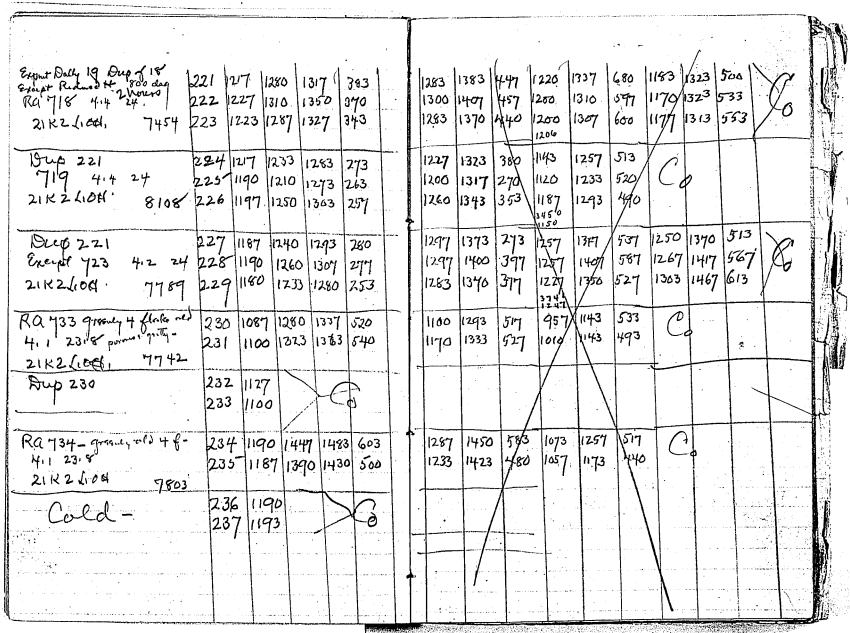
Dup 194
723
4.3 24.1 7724
299

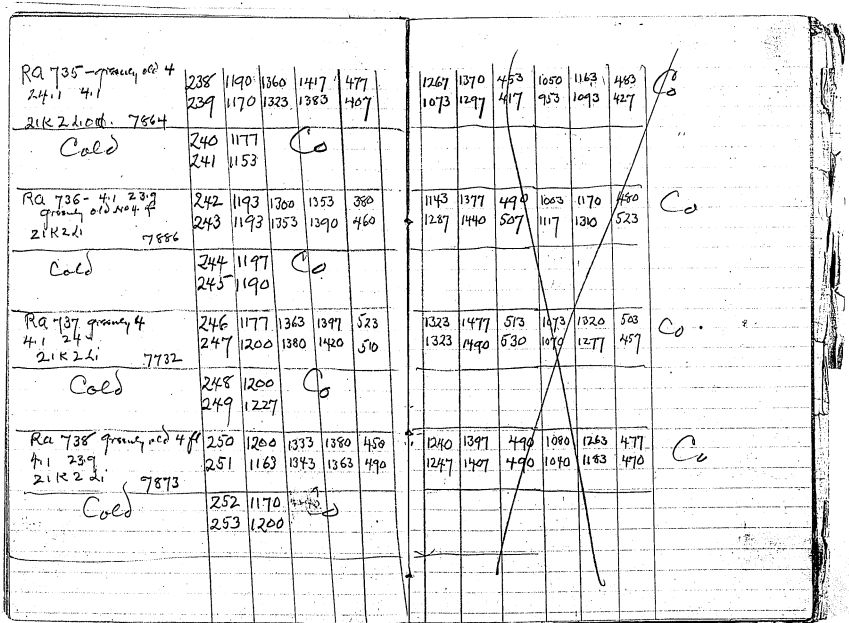
200	1057	1280	1323	
201	1050	1240	1323	
202	1033	1257	1300	

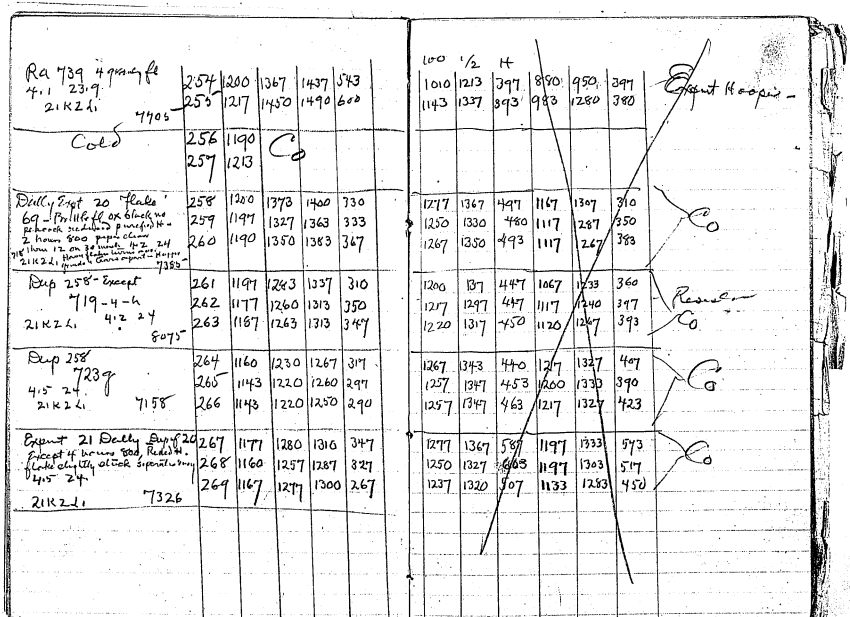
1333	1447	397	1280	1403	453	1210	1480	483
1343	1420	270	1257	1373	383	1150	1347	433
1300	1383	363	1253	1370	347	1210	1363	457
			3790					
			1263					

X Lower Row Tube would form
— + —

Daily Report 17 Dup of 16 but 4 hours off 725 718 — Flow of slightly cloudy water and some 21K2Li 7433		Cold					100		150						
	203	1130	1307	1330	373		1333	1400	430	1253	1333	443	1190	1313	497
	204	1127	1287	1317	357		1320	1403	423	1253	1343	497	1183	1327	533
	205	1123	1290	1323	343		1303	1383	483	1213	1320	557	1163	1303	547
										3749					
Dup 203 719 4 h 43 24 21K2Li 7803	206	1087	1273	1287	323		1280	1377	403	1190	1313	577	14 open for Export		
	207	1087	1257	1300	307		1257	1360	443	1127	1267	533			
	208	1097	1280	1313	330		1300	1380	517	1167	1297	530			
										3484 1161					
Dup 203 723 4h2 24:1 21K2Li 7799	209	1043	1257	1293	330		1310	1387	377	1243	1370	473	1213	1377	507
	210	1043	1280	1327	357		1317	1423	420	1253	1407	500	1230	1383	578
	211	1033	1257	1293	343		1273	1300	377	1213	1367	467	1220	1400	507
										3746 1249					
Export Daily 18 Ni fine to Jough sheet flash ox block no pressure reduces in 24 compared to day water cooling 4 hours 800 deg clean export 718 — 21K2Li 7386	212	1130	1303	1337	387		1317	1430	490	1213	1373	607	1190	1380	557
	213	1143	1293	1320	353		1313	1400	453	1243	1353	553	1190	1330	587
	214	1150	1337	1367	373		1347	1437	497	1258	1373	517	1193	1330	560
										3786 1294					
Dup 212 719 4. h. 41 24 21K2Li 7866	215	1067	1257	1297	300		1247	1363	417	1230	1293	483	14 open for Export		
	216	1057	1227	1273	313		1217	1337	397	1123	1253	463			
	217	1047	1257	1297	327		1200	1317	387	1103	1247	510			
										3453 1158					
Dup 212 723 — 41 24:1 21K2Li 7767	218	1040	1257	1303	338		1277	1393	417	1233	1383	480	1343	473	
	219	1020	1233	1280	387		1267	1357	397	1213	1353	470	1333	410	
	220	1027	1253	1306	393		1310	1410	420	1287	1447	1213	1400	443	
										3735 1244					







Ra 739 4 grains ft
4.1 23.9
21K24
4705

257	1200	1367	1437	543
258	1217	1450	1490	600

Cold

256	1190	Co			
257	1213				

Drilly Sept 20 "flake"
69 By 116 ft ox block no
fe hook scabbing pumping N-
2 hours 800 paper clamp
Now 12 on 20 hours 42 24
21K24 Hours of flake burning
Grains expert
7385

258	1200	1373	1400	730
259	1197	1327	1363	333
260	1190	1350	1383	367

1277	1367	497	1167	1307	310
1250	1330	480	1117	1287	350
1267	1350	493	1117	267	383

Co

Dup 258 - Except
7/19-4-4
21K24 4.2 24
8075

261	1191	1283	1337	310
262	1177	1260	1313	350
263	1187	1263	1313	347

1200	137	447	1067	1233	360
1217	1297	447	1117	1240	397
1220	1317	450	1120	1267	393

Rescue
Co

Dup 258
723g
4.5 24
21K24 7158

264	1160	1230	1267	317
265	1143	1220	1260	297
266	1148	1220	1250	290

1267	1343	440	1217	1327	407
1257	1347	453	1200	1330	390
1257	1347	463	1217	1327	423

Co

Expert 21 Drilly Sept 20
Except 4 grains 800, Rebel H.
Cake chiefly at rock superstructure
4.5 24
21K24 7326

267	1171	1280	1316	347
268	1160	1257	1287	327
269	1167	1277	1300	267

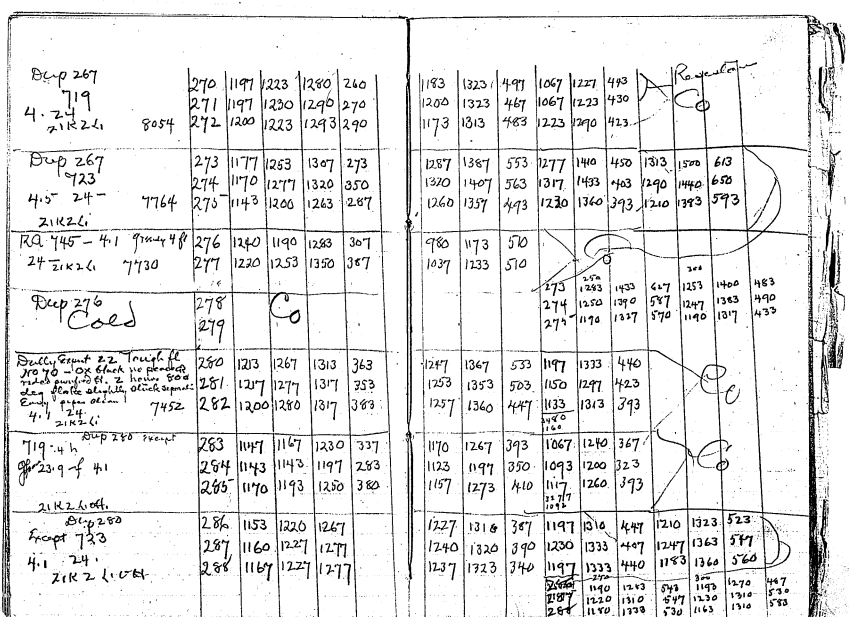
1277	1367	587	1197	1333	573
1250	1327	605	1197	1303	517
1237	1320	507	1133	1283	450

Co

100 1/2 H

1010	1213	397	890	950	397
1143	1337	393	983	1280	380

Expert Keeper -



Cold

Expt 23 Daily – Dup 22 except reduced H at 800 ft/min depressed Every proper ocean – flabby 7/18 grn 4.1 24	289	1223	1277	1313	427
	290	1223	1273	1323	453
	291	1237	1297	1337	433
Dup 289					
7/19 – 4.1 23.9	292	1200	1230	1290	393
	293	1177	1193	1250	340
21K2L	294	1200	1227	1283	390
Dup 289					
7/23 4.1 24	295	1200	1240	1287	357
	296	1160	1227	1273	357
21K2L	297	1143	1193	1243	340
Expt 24 Daily Dup of 15 Except reduced H 2 hours at 1000 ft/min ocean 7/18 green 24 – 4.4 flabby – 21K2L Channeling pronounced	298	1177	1230	1303	420
	299	1180	1227	1317	393
	300	1187	1227	1310	400
Dup 298					
7/19 4 h 4.4 23.9	301	1200	1130	1230	367
	302	1193	1267	1317	390
21K2L Channeling pronounced	303	1160	1243	1303	443
Dup 298					
7/23 – 4.2 24	304	1190	1267	1310	437
	305	1190	1280	1320	433
21K2L	306	1200	1323	1363	480
Daily Expt 25 Flabby 1A. Cut up normally until 4 hours 800 ft/min depressed Every proper ocean 7/18 4.2 24 21K2L Good	307	1227	1377	1413	517
	308	1283	1280	1330	393
	309	1227	1303	1350	427

1170	1273	397	1113	1257	567				
1123	1283	383	1067	1220	577				
1133	1283	390	1113	1220	583				
			3293 1098						
1000	1133	333	1067	1313	503	1010	1153	537	
1100	1223	363	1067	1230	497	1050	1173	493	
1123	1237	390	1133	1326	593	1100	1237	497	
			3367 1089						
1140	1330	390	1170	1393	587	1173	1330	547	
1253	1340	348	1193	1333	523	1200	1346	567	
1220	1303	403	1163	1363	463	1177	1323	540	
			3529 1196						
887	1107	440							
847	1017	410							
883	1033	363							
847	923	373							
940	1083	397							
940	1120	413							
1140	1267	437							
1173	1310	483							
1200	1333	520							
1313	1420	560	1127	1317	417				
1167	1360	477	1097	1233	413				
1207	1367	430	1120	1280	403				

Dep 307 Except 719-4 h 4.2 23.9 21K2Li	310	1217	1250	1297	377		1157	1307	367	1063	1253	400	
	311	1230	1247	1307	357		1153	1293	410	1033	1187	413	
	312	1213	1207	1273	333		1113	1278	350	1017	1170	440	
Dep 307 723- 4.1 24	313	1207	1237	1287	352		1267	1390	367	1170	1333	487	
	314	1197	1243	1280	317		1320	1407	317	1217	1343	460	
	315	1217	1257	1317	420		1300	1450	390	1217	1360	523	
Derby 26 Except Sat. 2 hours 800 718- 4.1 24 Liberty 21K2Li	316	1200	1283	1333	193		1283	1400	447	1133	1283	380	
	317	1220	1287	1330	450		1217	1357	400	1117	1293	450	
	318	1220	1317	1360	463		1253	1363	343	1193	1327	440	
Dep 316 719-4 h 4.1 23.9 21K2Li Odd	319	1183	1233	1280	310		1200	1360	340	1113	1250	427	
	320	1177	1217	1283	380		1157	1293	323	1050	1250	377	
	321	1197	1267	1303	273		1267	1343	353	1173	1297	393	
Dep 316 723- 4.2 24 21K2Li	322	1167	1217	1273	433		1287	1367	447	1227	1343	400	
	323	1187	1217	1273	463		1313	1363	393	1253	1360	363	
	324	1173	1200	1253	373		1257	1333	320	1230	1330	340	
	325	1223	1287	1330	433		1267	1373	437	1133	1303	473	
	326	1210	1267	1323	447		1280	1357	440	1150	1310	450	
	327	1205	1213	1360	400		1157	1277	387	1090	1273	523	

Cab 50

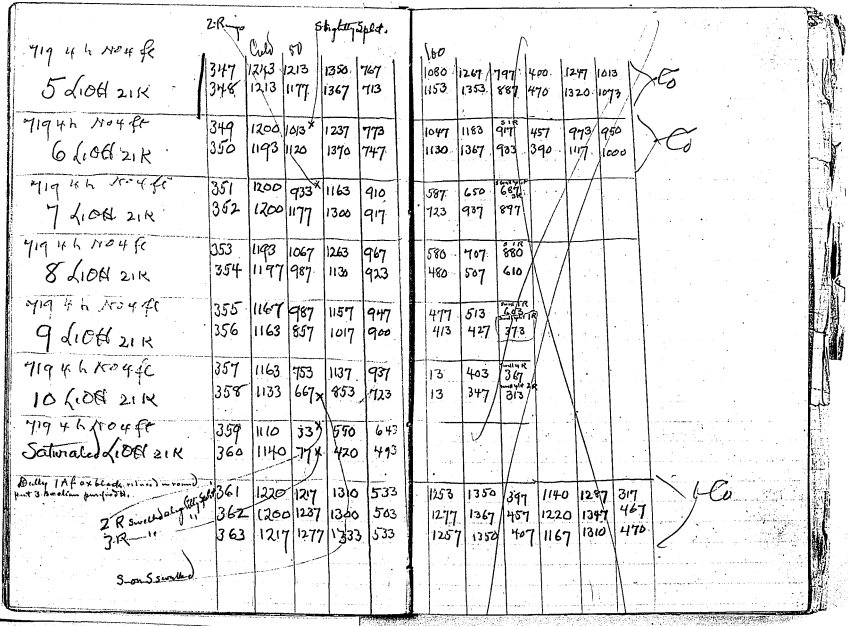
328	1193	1217	1283	333	
329	1200	1223	1293	813	
330	1190	1220	1290	800	
331	1170	1243	1300	253	
332	1173	1250	1313	343	
333	1173	1250	1310	373	
334	1193	1220	1273	447	
335	1190	1263	1313	470	
336	1200	1247	1307	527	
337	1167	1190	1263	466	
338	1170	1193	1263	467	
339	1173	1200	1280	533	
340	1143	1233	1303	487	
341	1173	1217	1280	450	
342	1147	1200	1273	407	
343	1220	1247	1327	580	
344	1243	1277	1353	617	
345	1250	1247	1337	663	
346	1233	1160	1343	653	

419 4 h 20 4 fr
413 239
· 3 lbs 21 K

419 4 h 20 4 fr
4 lbs 21 KEG

160

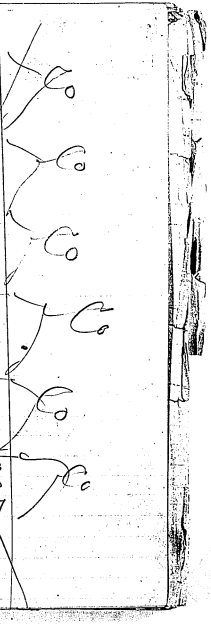
1200	1377	317	1093	1223	390				
1200	1300	360	1113	1263	430				
1217	1340	377	1150	1283	460				
1287	1377	383	1220	1363	483				
1363	1413	387	1247	1373	447				
1310	1400	360	1240	1383	443				
1260	1350	400	1177	1310	460				
1290	1380	417	1187	1323	467				
1283	1367	467	1240	1347	467				
1213	1323	373	1133	1260	387				
1230	1388	380	1160	1280	363				
1213	1347	423	1133	1287	430				
1310	1410	413	1297	1397	413	1277	1407	370	
1293	1377	423	1257	1373	383	1227	1367	403	
1277	1377	387	1227	1353	363	1227	1347	417	
1183	1333	370	1108	1217	517				
1193	1307	547	567	1100	633				
1083	1270	367	540	1257	857				
1093	1330	700	503	1257	840				



Dup of 361 except 419 4 h 4.1 28.9	364	1200	1217	1293	413
	365	1213	1243	1300	400
	366	1197	1207	1283	377
Dup ~~360~~ 361 723 grown 4 h 11 24	367	1190	1250	1313	373
	368	1180	1250	1313	377
	369	1200	1313	1357	387
Ra 740 grown 4 fl 4.3 23.8.	370	1250	1303	1373	407
	371	1260	1273	1370	383
	372	1270	1141	1257	360
Ra 741. No 4 grown fl like — 4.5 24.	373	1150	1260	1300	330
	374	1197	1257	1317	370
	375	1193	1267	1343	380
Ra 742 grown dried in deep pans grown No 4 fl - 4.3 24. Green slightly darker than no grown	376	1283	1377	1437	313
	377	1257	1350	1407	320
	378	1270	1350	1403	333
Ra 742 grown 4 fl 4.3 24.	379	1237	1303	1340	327
	380	1233	1317	1367	323
	381	1300	1323	1400	357

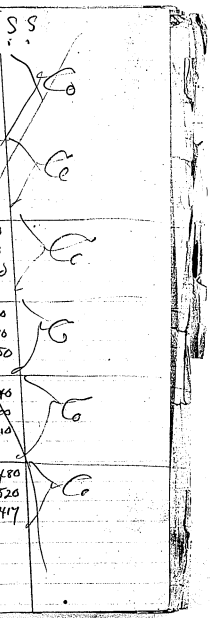
100	1/2	fl			
1197	1300	357	1130	1290	430
1220	1300	447	1140	1273	460
1217	1340	497	1170	1340	423
1290	1363	510	1233	1387	473
1300	1363	507	1237	1370	473
1350	1440	607	1283	1423	543
1157	1347	670	983	1190	563
1113	1313	634	963	1163	533
967	1197	580	867	1027	543
1180	1347	507	1007	1250	587
1217	1367	587	1033	1257	587
1217	1383	620	1020	1267	557
1223	1400	593	1043	1250	550
1217	1367	527	1030	1193	483
1123	1300	453	933	1173	460
1137	1300	507	940	1087	443
1167	1330	550	970	1167	500
1217	1363	613	1037	1193	527

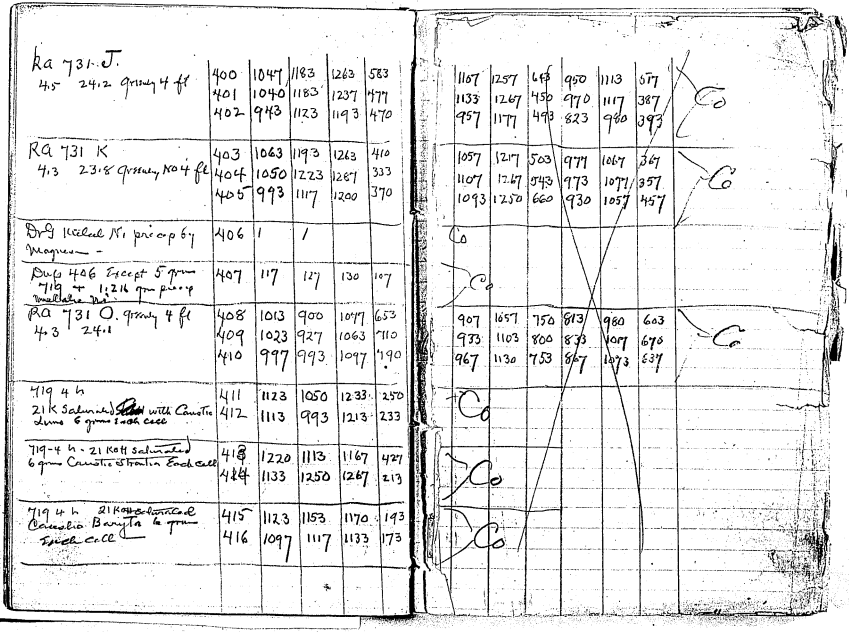
J.R.



		50	½	Hot
Ra 743 greenly Rock fc 4.5 23.9	382	1267	1337	1390	343
	383	1243	1300	1370	277
	384	1250	1313	1377	337
Ra 744 greenly Rock f 4.5 24.1	385	1243	1300	1407	420
	386	1250	1343	1410	467
	387	1253	1333	1410	543
Nicholls fm Vacuum Dryer Bed dr. 4/45 — 43 23.8 greenly Rock f fc bagley Sewage works pressure + agency (only) Outlet from settle (q.v. crushing by Rail) bradley —	388	1187	1213	1360	533
	389	1200	1223	1320	440
	390	1200	1183	1293	423
Ra 731 greenly Rock 4.3 24	391	1183	990	1167	417
	392	1213	973	1150	371
	393	1207	1067	1210	423
Ra 731 N 4.5 23.9 greenly Rock f	394	1027	1140	1210	510
	395	1007	1140	1210	527
	396	1027	1113	1207	523
Ra 731 I greenly Rock f 4.5 24.1	394	1197	1223	1290	473
	398	1197	1158	1237	507
	399	1180	1047	1183	476

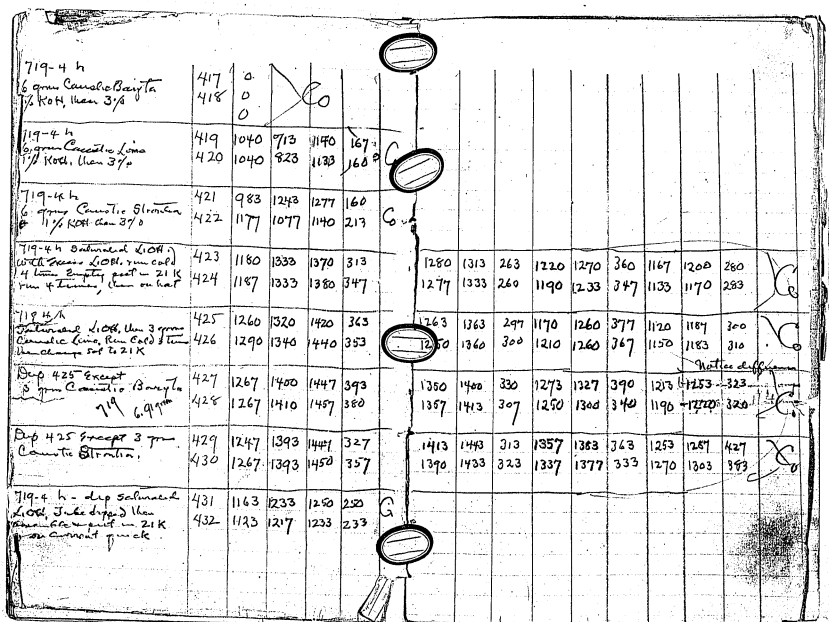
1300	1423	617	1147	1323	527	
1240	1380	577	1023	1247	510	
1250	1383	593	1087	1257	587	
1273	1460	233	1067	1263	467	
1273	1400	541	1080	1263	500	
1300	1423	583	1120	1303	530	
1083	1268	517	990	1083	433	
1133	1317	540	943	1147	443	
1123	1346	603	963	1043	500	
953	1077	553	830	947	440	
933	1110	577	827	933	490	
970	1133	553	867	947	550	
1123	1257	620	980	1197	640	
1133	1300	713	1050	1233	620	
1107	1257	713	993	1153	610	
1177	1267	643	1000	1160	480	
1133	1250	647	920	1023	520	
910	1120	573	793	930	417	



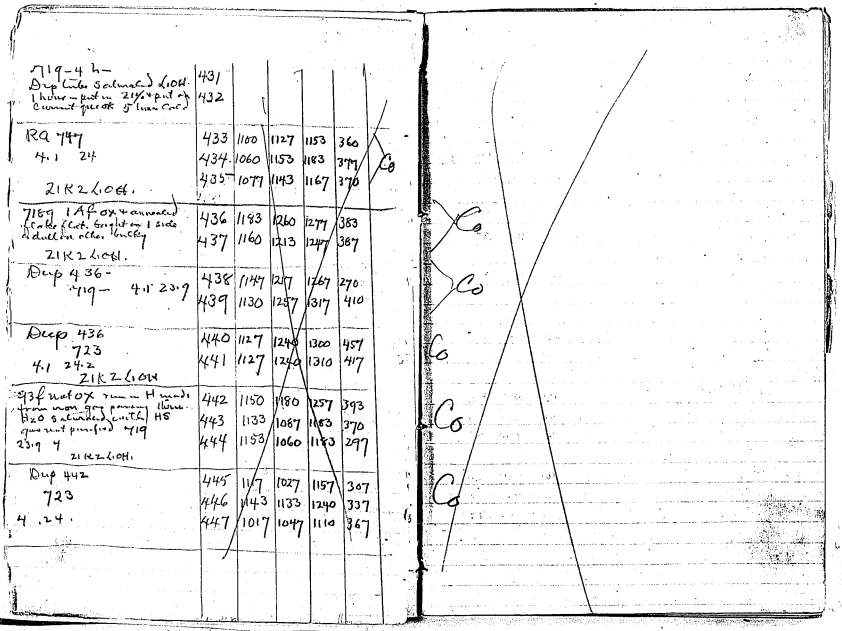


Ra 731. J. 4.5 24.2 growing 4 ft	400	1047	1183	1263	583	
	401	1040	1183	1237	477	
	402	943	1123	1193	470	
Ra 731 K 4.3 23.8 growing No 4 ft	403	1063	1193	1263	410	
	404	1050	1223	1287	333	
	405	993	1117	1200	370	
Dwf Wicked N1 prior 67 Magnum -	406	1	1			
Dwf 426 Except 5 gms 719 + 1.2 K gms prior 4 Wallaba Dd	407	117	127	130	107	
Ra 731 O. growing 4 ft 4.3 24.1	408	1013	900	1077	653	
	409	1023	927	1063	710	
	410	997	993	1097	790	
719 4 h 21K Salmeterol with Caustic Lime 6 gms each cell	411	1123	1050	1233	250	
	412	1113	993	1213	233	
719-4 h - 21 K of Salmeterol 6 gms Caustic Strontia Each cell	413	1220	1113	1167	427	
	414	1133	1250	1267	213	
719 4 h 21 K of Salmeterol Calcilia Barrita 6 gms Each cell	415	1123	1153	1170	193	
	416	1097	1117	1133	173	

	1107	1257	643	950	1113	577
	1133	1267	450	970	1117	387
	957	1177	493	823	980	393
	1057	1217	503	977	1067	367
	1107	1267	543	973	1077	357
	1093	1250	660	930	1057	457
Co						
Co						
	907	1057	750	813	980	603
	933	1103	800	833	1007	678
	967	1130	753	867	1073	637
Co						
Co						
Co						



719-4 h 6 gms Cannabis Baryta 1% KOH, Mean 3%	417 418	0 0 0																
719-4 h 6 gms Cannabis Lime 1% KOH, Mean 3%	419 420	1040 1040	713 823	1140 1133	167 160													
719-4 h 6 gms Cannabis Strontia & 1% KOH Mean 3%	421 422	983 1177	1243 1077	1277 1140	160 213													
719-4 h Untreated LOH) with Excess LOH, run cold 4 times Empty part = 21 K run 4 times, Mean on last	423 424	1180 1187	1338 1333	1370 1380	313 347		1280 1277	1313 1333	263 260	1220 1190	1270 1233	360 347	1167 1133	1200 1170	280 283			
719 4 h Untreated LOH, Mean 3 gms Cannabis Lime, Run Cold 3 times Mean change put to 21 K	425 426	1260 1290	1320 1340	1420 1440	363 353		1263 1290	1263 1360	297 300	1170 1210	1260 1260	377 367	1120 1150	1187 1183	300 310			
Dup 425 Except 3 gms Cannabis Baryta 719 6.99 gms	427 428	1267 1267	1400 1410	1447 1457	393 380		1350 1367	1400 1413	330 307	1273 1250	1327 1300	390 340	1213 1190	1253 1220	323 320			Notice difference
Dup 425 Except 3 gms Cannabis Strontia.	429 430	1247 1267	1393 1393	1441 1450	327 357		1413 1390	1443 1433	313 323	1357 1337	1383 1377	343 333	1253 1270	1287 1303	427 393			
719-4 h - dup saturated LOH, Tube dropped Mean Change 66 on put in 21 K on Current run ck	431 432	1163 1123	1233 1217	1250 1233	250 233													

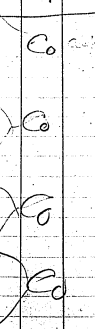


7/19-4 h- 431
Dup (Ca salmac) LiOH 432
(Water - put in 21% + put in
Current peak of Ivan Curve)

RQ 747	433	1100	1127	1153	360	
4.1 24	434	1060	1153	1183	377	Co
	435	1077	1143	1167	370	
21K2LiOH.						
7169 1AF ox + annealed	436	1183	1260	1277	383	Co
Cable float, together 1 side	437	1160	1213	1247	387	
a duel in other, briefly						
21K2LiOH.						
Dup 436-	438	1147	1217	1267	270	Co
719 — 4.1 23.9	439	1130	1257	1317	410	
Deep 436	440	1127	1240	1300	457	Co
723	441	1127	1240	1310	417	
4.1 242						
21K2LiOH						
93f mat ox run in H ground	442	1150	1180	1257	393	Co
from room temp (with) Water	443	1133	1087	1163	370	
H2O saturated (with) H2	444	1153	1060	1143	297	
gas not purified 719						
23.9 4						
21K2LiOH.						
Dup 442	445	1117	1027	1157	307	Co
723	446	1143	1133	1240	337	
4.24.	447	1017	1047	1110	367	

			50	1/2	#
73 fruit ox-treated with Dilp carbonoma gas about 8 o'clock 7/23 24. 4	448	1167	1213	1267	350
	449	1170	1237	1293	367
	450	1197	1237	1290	350
21 K2 LiOH.					
Dup 448 719	451	1183	1213	1267	320
	452	1183	1227	1267	300
	453	1160	1187	1247	287
10 A Niff for Rangoo 719. 4 — 23.9 4.2	454	1087	1100	1163	313
	455	1067	1067	1150	297
	456	1087	1067	1133	300
Dup 454 718 4.2 23.8	457	1173	1197	1233	357
	458	1157	1183	1227	370
	459	1170	1210	1243	397
Dup 454 723 4.2 24	460	1123	1133	1200	330
	461	1163	1163	1213	287
	462	1153	1153	1210	287
73 fruit ox bolled in Millipore with hot KOH in water bath — to break down the carbonate and it was put in the CO2 at 8 o'clock together 723 Color fix 723	463	863	943	957	320
	464	820	930	943	260
	465	863	957	973	267

100	1/2	#	150	1/2	diff			
1267	1343	427	1347	1400	533	1287	1413	623
1290	1353	440	1317	1393	570	1293	1397	667
1267	1347	507	1310	1410	580	1293	1427	690
1243	1320	493	1253	1350	523	1217	1360	600
1267	1330	520	1260	1360	533	1213	1330	683
1223	1287	530	1253	1347	523	1257	1360	553



	A		50	½	H	100	½	H	150	½	Hot	200	½		250		
Dup 463 719 4.1 23.9	466	750	840	853	253	Co											
	467	700	793	810	190												
	468	750	840	850	213												
Ra 719 4 73 ni fl not ox run at about 900 in City gas. 4.2 23.9	469	1237	1227	1297	280	Co											
	470	1240	1190	1283	267												
	471	1197	1180	1260	273												
Dup 469 723. 4.2 24	472	1240	1263	1330	267	Co											
	473	1237	1257	1320	313												
	474	1210	1227	1297	257												
Ra 723 ni fl treated not ox $BiCl_3$ NH_4Cl conc reduced Bi on flake, steel color washed with ammon chl. 4.3 24 6.589 grams	475	1197	1393	1557	707	1387	1563	933	1427	1657	1007						
	476	1210	1410	1557	727	1400	1573	960	1463	1660	1043						
	477	1190	1390	1537	543	1417	1577	983	1463	1627	1000						
Dup 475 719 4 4.3 23.9	478	1220	1400	1563	670	1400	1577	1107	1387	1613	1017	1450	1633	1073	1420	1603	1150
	479	1217	1393	1573	643	1410	1560	1113	1400	1617	1057	1483	1667	1130	1423	1623	1160
	480	1233	1440	1577	590	1430	1597	1100	1467	1660	1110	1490	1740	1140	1507	1687	1060
No 1 stock ni f fm Bailey Co not ox but ammoniated H— 4.1 · 24.1	481	1133	1149	1253	250	Co											
	482	1170	1213	1250	317												
	483	1157	1163	1260	320												

3/43 14

Dup 481 723 24. 4.1	484 485 486	1133 1153 1153	1180 1183 1197	1253 1250 1260	250 317 320
Stock 17A f fm battery Co Oxidized & ammoniated 723 4.3 24	487 488 489	1133 1110 1153	1170 1170 1197	1233 1243 1257	310 333 353
Dup 487 719	490 491 492	1153 1170 1170	1183 1183 1183	1237 1240 1237	297 297 293
Buffalo foundry Co Vacuum dried percolated 4.1 24 Darker color than reg green	493 494 495	1143 1167 1173	1247 1243 1217	1320 1313 1330	347 310 360
719 4 h 24.1 4.2	496 497	1193 1180	1250 1263	1310 1333	293 343
Dup 496 Except 723 green 4.3 24	498 499	1173 1177	1263 1273	1323 1333	317 283
723 green 21K 3 grams Lithia Carbonate Each cell —	500 501 502	1067 1047 1073	1170 1143 1197	1200 1163 1223	277 260 297

Co

Co

Co

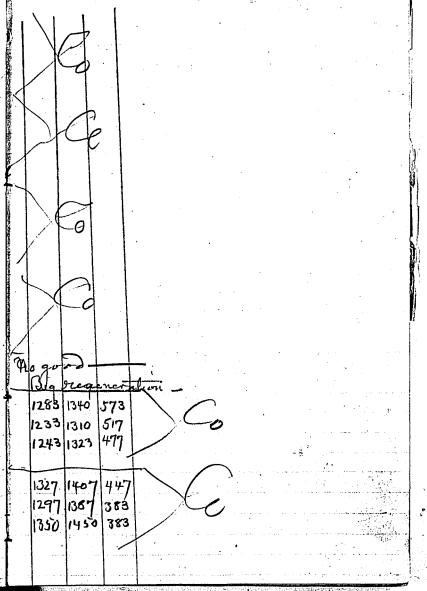
Co

See Walter what is this
Co

Co

Co

Dup 508					
Except 719-4	503	1083	1197	1203	263
21N 3 for Lill Camb.	504	1067	1160	1183	280
	505	1083	1197	1223	287
719-4 4 grown	506	1143	1217	1253	
	507	1150	1217	1267	
	508	1153	1243	1308	
Flasks 73 not ox not Hy Drop in Hot KCyn clear Connected free 719	509	1140	1230	1287	280
	510	1150	1217	1263	290
	511	1103	1157	1210	260
Dup 509	512	1140	1187	1243	270
727	513	1137	1177	1240	250
	514	1120	1177	1230	213
off 9920. Seam opened out on Trifles, purge this! Horses Arum back- Pinkish 25YR 4/2-	515	980			
	515				
JT's 2 A wif ox- thorn H — 719- flasks quite normal Cambridge Fillers	516	1183	1310	1350	320
	517	1147	1237	1300	303
	518	1147	1243	1313	297
Dup 516	519	1173	1317	1363	287
723 —	520	1167	1277	1343	293
	521	1183	1330	1387	304



		Cubed	50	½	Wet
Stock 18A 16A 3A of 1A, 0X 4 recovered – 719-4	522	1113	1227	1270	247
	523	1163	1260	1320	297
	524	1173	1273	1350	307
724 given 2 cakes) 20 mm in Long Thick Hyss all free Eyed (mixed) wet Hot dried) put in KOH = heated several hours then washed thoroughly until no more free Caustic found well recovered = 10 Ext Cut. 164 Hot: ½ 2¼ 2½2 Cloth 823	525	1140	1350	1363	883
	526	1147	1298	1343	1053
	527	1147	1300	1327	1023
719 treated one week Lithalloperchlorite with free Cloth – recovered well 2½2 Cloth. 704 Hot:	528	1147	1293	1350	363
	529	1133	1237	1293	333
	530	1133	1273	1320	383
Dup 528 best 734 given me	531	1163	1310	1367	340
	532	1163	1300	1363	360
	533	1163	1310	1367	357
Dup 522 except 723 cut.	534	1133	1230	1283	267
	535	1137	1237	1307	270
	536	1130	1233	1303	257
Stock 2A not cut but thinned. 723 –	537	1197	1320	1387	323
	538	1183	1287	1357	290
	539	1173	1287	1360	347
Dup 537 719 –	540	1187	1287	1360	370
	541	1163	1243	1307	340
	542	1183	1273	1333	367

100	½	H	150	½	H	200	½	H		
1193	1477	320								
1240	1328	363				527	250 1410	1447	483	
1280	1377	407				22 27	1320 1293	1367 1340	1010 1058	
1247	1267	1097	1337	1377	1120	1350	1403	983		
1237	1253	1137	1290	1333	1123	1153	1230	1187		
1243	1263	1173	1393	1437	1090	1320	1363	1120		
1263	1353	593								
1220	1297	540								
1260	1350	587								
							250			
						540	1193	1373	610	
1330	1417	553				41	1147	1350	567	
1307	1383	523				42	1173	1377	597	
1333	1427	497								
							250			
1220	1300	463				537	1193	1433	623	
1257	1340	343				38	1193	1447	603	
1260	1346	400				39	1207	1437	587	
1347	1450	467	1293	1457	450	1333	1487	600		
1313	1417	403	1293	1417	473	1283	1473	620		
1320	1400	393	1293	1407	463	1333	1473	620		
1293	1383	427	1237	1370	477	1270	1413	617		
1240	1327	406	1227	1347	383	1220	1367	507		
1270	1363	433	1227	1353	497	1227	1397	533		

		Cold	50	½	Hot
RA 748 – 4fg granulocytes	543	1133	1317	1353	413
	544	1140	1307	1347	370
	545	1140	1320	1360	383
734 fg Pneumococci grown without 10% Rbc	546				
No 66 or 94 flasks not OK but Throw H – 419.4 –	547	1147	1227	1283	230
	548	1190	1257	1320	270
	549	1130	1207	1263	280
15 reps 547 723	550	1133	1240	1320	307
	551	1160	1233	1320	367
	552	1197	1317	1390	370
Sample 106 20A Shook Shearer (flake separate) – Crook propeller not OK or Throw H – Lima – 723 blakes (flake scorched, had change sleeves) –	553	1090	1167	1250	300
	554	1100	1177	1253	287
	555	1087	1173	1263	260
Dup 553 719 4 h	556	1100	1173	1250	230
	557	1093	1150	1240	260
	558	1107	1167	1243	243
14 A f not ok. Throw H 723	559	1150	1217	1277	283
	560	1123	1180	1250	260
	561	1127	1180	1250	290

100	½	Hot	150	½	H	250	½	H
1333	1420	520			556	1193	1390	500
1297	1377	487			557	1143	1307	507
1310	1393	540			558	1163	1340	510
					559	1147	1313	490
					560	1153	1327	503
					561	1153	1340	553
1187	1257	473						
1240	1297	513						
1183	1253	497						
						250		
1223	1307	491			553	1290	1433	373
1240	1323	480			554	1340	1483	457
1307	1387	507			555	1273	1423	467
1163	1270	373	1233	1367	513	1237	1423	367
1163	1283	403	1263	1390	570	1270	1463	447
1163	1273	407	1243	1377	483	1210	1417	467
1133	1247	377	1193	1363	450	1187	1327	490
1120	1223	377	1157	1280	477	1133	1307	513
1133	1240	347	1187	1313	413	1163	1323	550
1187	1270	390	1258	1353	177	1207	1347	480
1160	1260	333	1207	1317	422	1167	1330	603
1167	1287	333	1233	1317	387	1187	1353	627

			50	1/2	tbl
Dup 559	562	1140	1197	1250	243
7/9 4 h	563	1137	1197	1253	157
	564	1177	1247	1300	230
*118 grams 20A showered off	565	1150	1303	1350	300
not all on thumb + considers 2 settled N/A	566	1107	1253	1313	303
Solution on 21K3 2100 chg's drift more					
at 1/4 separate then stops but is					
21K 2100 grams 3 hours					
Observes that Most bubbly floats over					
and Sunspot 448.					
has change happen slower -					
Dup 565	567	1088	1237	1317	287
7/9 - 4 - 24	568	1103	1250	1340	287
Dup 565	569	1103	1233	1330	317
723	570	1070	1200	1310	320
4 24					
Dup 565 Ra 734 gr	571	1193	1467	1523	643
Continuing 16.8% Breakthrough	572	1171	1393	1423	900
1068 Lot 4! 23.9.					
*118 Showered (Lots No 106-20A	573	1133	1247	1323	483
Stock on 18.2 Chg's drift to	574	1117	1253	1323	453
21K 1400 M. 1/4 Degrades then					
Changes To 21K 2600. 4 24					
Dup 573	575	1097	1223	1343	397
7/9	576	1093	1237	1330	367

100	1/2	tbl				200	1/2	Half
1133	1227	327						
1133	1227	250						
1197	1287	303						
1320	1383	347	1293	1407	507	1307	1383	447
1263	1387	370	1237	1393	533	1283	1397	653
1263	1350	300	1237	1391	537	1290	1413	433
1263	1350	350	1243	1400	583	1290	1413	490
1287	1363	353	1273	1423	577	1333	1453	483
1243	1333	333	1213	1387	540	1280	1413	487
1500	1527	513	1497	1530	1227	1417	1443	963
1287	1320	730	1400	1430	1140	1400	1427	750
1287	1343	507	1273	1393	687	1320	1420	577
1263	1333	447	1243	1367	663	1280	1390	553
1263	1360	413	1237	1393	610	1280	1400	473
1263	1343	370	1233	1383	637	1257	1390	470

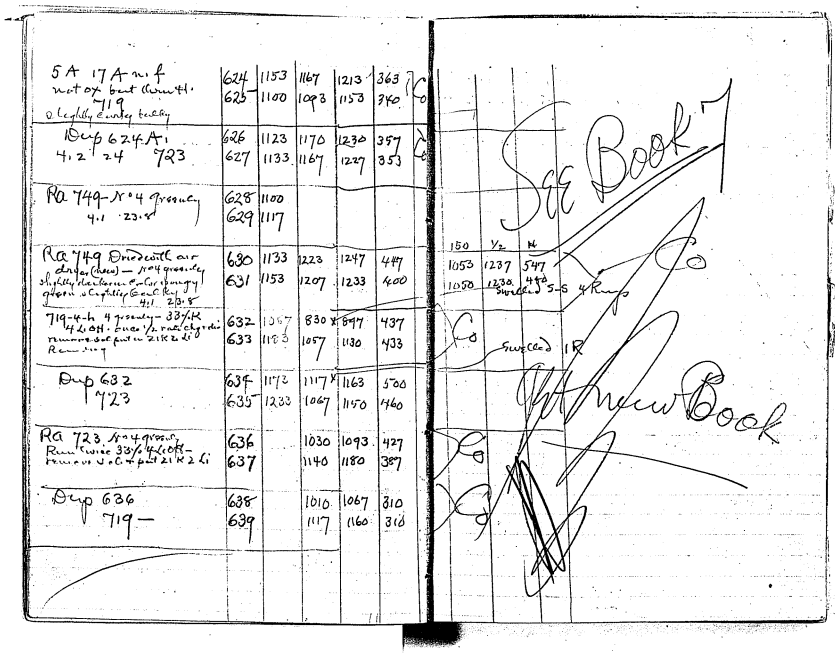
Badly bent

Cut

			150	1/2	H	100	1/2	H	150	1/2	H	Badly bent		
Dup 573 723 4 24.1	577 578	1070 1070	1217 1217	1320 1320	370 397	1263 1270	1353 1367	1273 1253	1427 1427	677 683		1323 1327	1457 1477	523 527
Dup 573 734 green 16.8% Bismuth 4 23.9	579 580	1200 1193	1447 1446	1497 1537	667 630	1433 1427	1470 1453	660 677	1443 1450	1477 1477	1173 1183	1313 1297	1360 1323	1013 1020
718-Sheared off 106 20 A slock 1st 2 chgs in 21K 6 LiOH. 1/4 reg rate after change to 21K 2 LiOH 4.24	581 582	1127 1133	1260 1267	1333 1333	540 467	1280 1287	1357 1360	683 583	1273 1277	1420 1390	770 690	1303 1303	1473 1417	677 610
Dup 581 719	583 584	1120 1147	1267 1267	1373 1363	343 343	1287 1300	1393 1397	490 477	1250 1277	1417 1430	607 600	1290 1310	1427 1427	563 550
Dup 581 723	585 586	1143 1100	1283 1243	1377 1353	403 417	1320 1287	1403 1383	493 497	1293 1250	1450 1427	637 550	1323 1303	1467 1433	560 497
Dup 581 734 16.8% Bismuth 4 23.9	587 588	1283 1297	1467 1457	1497 1487	1067 1030	1413 1353	1453 1397	673 837	1420 1430	1453 1453	1100 1073	1260 1323	1303 1353	1050 933
718 Sheared off 106 20 A slock Chgs dur twice 21K 8 LiOH. 1/4 reg rate then change to 21K 2 LiOH. then reg rate	589 590	1133 1133	1277 1267	1340 1330	670 630	1277 1273	1353 1347	707 593	1267 1250	1400 1377	627 623	1287 1287	1400 1377	523 607
Dup 589 719	591 592	1163 1133	1313 1293	1417 1397	517 503	1350 1327	1453 1417	627 623	1357 1297	1483 1453	587 633	1360 1333	1467 1467	557 560

	Bad start spot 2 R	Bad beat		Rent			Rent										
										150	½	H	200	½	H		
Dup 589 723.		593 594	1117 1163	1287 1323	1417 1430	543 723	1340 1400	1447 1480	493 533	1297 1383	1443 1523	627 693	1353 1380	1520 1577	573 657		
Dup 589 734 16-8/16 Bismuth.		595 596	1320 1320	1440 1440	1463 1463	993 1033	1400 1433	1433 1473	477 667	1443 1443	1467 1477	1060 1100	1287 320	137 1370	1043 977	Bent	
723- Shewed fe- ran twice ¼ rate 33%/R ¼ both. Then changed to 21K2 both ways on		597 598	1160 1170	1247 1250	1313 1317	537 650											
Dup 597 719		599 600	1140 1117	1247 1200	1310 1263	637 703	1297 1260	1367 1343	463 577	Bad beat	Bad beat spot 1R broken						
Dup 553 & A cinnamon Except 718-		601 602 603	1207 1203 1177	1250 1230 1167	1290 1247 1210	703 593 488											
734 16-8 Bismuth 10 fe Reran 10 hours at ¼ rate then changed to ¼ rate Lower levels Reran every run 21K 2 both.		604 605	1167 1210	1483 1433	1490 1450	697 660	1353 1427	1427 1453	1013 827	1370 1397	1393 1423	1197 1223	1183 1207	1213 1247	1000 897		
723- showed fe- started 3 miles fe crosscut dump 293 dump 21K2 both- 6.730 tons		606 607	1246 1233	1313 1300	1353 1330	440 423	1400 1363	1463 1407	583 560	1400 1363	1510 1457	657 650	1437 1410	1537 1497	517 517		
723 Dup 606 2 miles fe crosscut dump 309 Dump 6.941 tons		608 609	1257 1260	1350 1350	1393 1383	453 410	1400 1410	1453 1463	590 660	1363 1460	1473 1573	647 537	1433 1433	1530 1553	490 493		

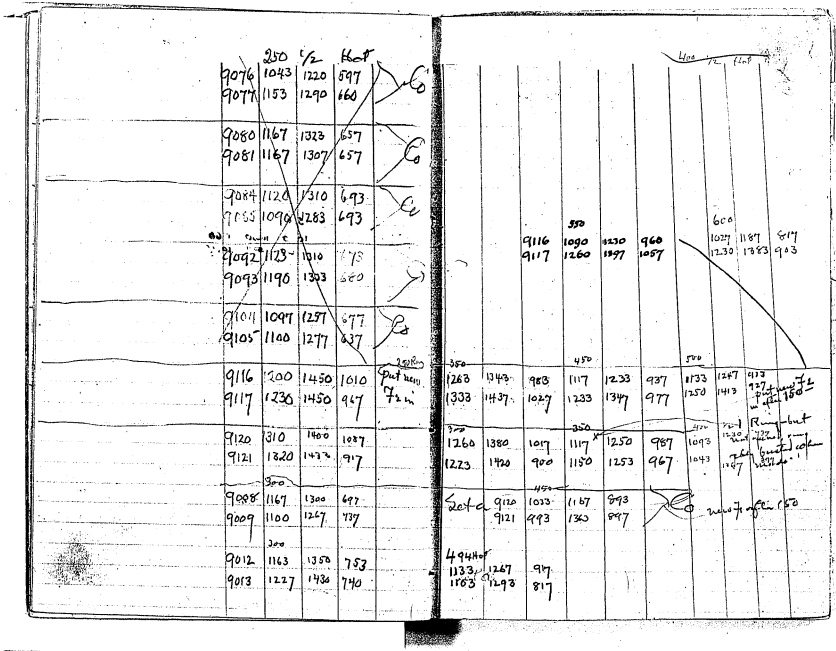
723 – 3 comm ant all fine limit 4 gr to inch 4 gr only ff – 4 24.	610	1230	1293	1333	387	
	611	1223	1293	1333	403	
Stock A 18 – lot 101 mf not ox – Iron H – 719 – only 4 ff for 4 Lutes: Dearby Cornet	612	1080	1100	1160	343	
	613	1110	1127	1180	403	
Dup 612 723	614	1103	1140	1207	420	
	615	1083	1120	1183	417	
Lot 61 Stock 6 A mf not ox Cut Iron H – 719	618	1157	1153	1217	493	
	617	1157	1183	1247	463	
723 Dup 616 A.	618	1133	1190	1243	413	
	619	1133	1213	1273	417	
Lot 65 Stock A, mf not ox Cut Iron H – 723 4.3 24.1	620	1130	1153	1217	377	
	621	1160	1230	1273	397	
Dup 620 A. 719	622	1157	1183	1227	343	
	623	1143	1153	1207	357	

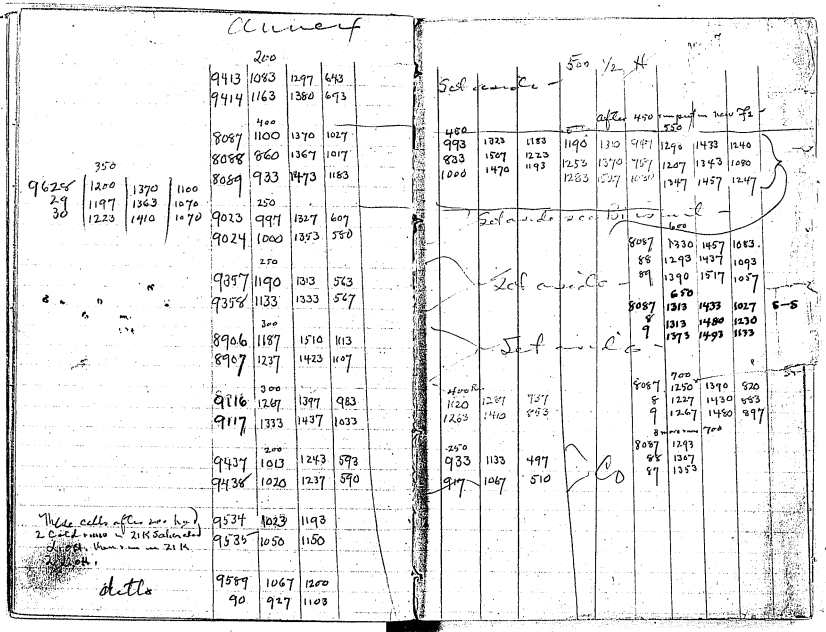

See Book 7
New Book

Chimney

	250	½	Half
8805	1183	1367	633
8806	1183	1316	633
	400		
8807	1293	1380	1150
8808	1253	1327	1093
	250		
8809	1203	1303	1083
8810	1150	1237	1017
8822	1253	1423	917
8823	1187	1517	907
8833	1217	1377	920
8834	1213	1450	1027
9025	1100	1237	603
9026	1127	1287	653
9027	1093	1260	650
9028	1120	1293	640
9072	1120	1317	640
9073	1140	1347	667

300	½	Hot	350	½	Hot	400	½	H	
1160	1397	633							
1180	1360	630							
453	½	H	500			550			
1263	1347	760	1303	1383	890	1330	1357	833	
1218	1290	817	1293	1373	910	1280	1340	863	
450			500			550			
1157	1263	880	1173	1283	850	1140	1240	773	
1067	1157	767	1100	1197	770	1077	1157	733	
1257	1490	1000							
990	1957	793							
1253	1457	1103	1237	1417	1133	977	1437	880	
1177	1520	1153	1087	1417	1077	900	1467	980	
			450			588			
		8833	1230	1310	1093	1210	1280	1053	
		8834	1287	1383	1060	1297	1397	1200	
		8833	588						
		34	1180	1230	1043				
			1267	1390	1090				
			600						
		8807	1293	1347	713				
		8808	1220	1247	1243				
		8809	1083	1190	817				
		8810	1016	1090	710				
			600						
		8833	1090	1177	853				
		34	1200	1343	930				





Aumaf

	300	½	M.
9136	1090	1320	783
9137	1120	1370	790
9138	1123	1360	833
9145	1047	1303	773
9146	1017	1260	753
9147	1057	1353	750
9154	1103	1367	790
9155	1080	1310	810
9156	1133	1397	900
9172	1173	1380	723
9173	1107	1327	690
9174	1107	1350	617
9178	1133	1330	573
9179	1067	1297	597
9180	1037	1327	690
9184	1067	1133	720
9185	1123	1333	770
9186	1127	1397	777
8854	1017	1113	633
8855	1180	1287	857
8856	1133	1237	740
8807	1203	1347	780
8808	1213	1290	817
8807			

BS

500R

950R

Cacl Test

New Jaffa 450 nw

all Hum put in 21R Saturated cloth, run 6 hot then back — 21K 2 cloth — Cold run after

1123	1273	1027	Split 4 R
987	1230	1063	" 4 R
867	980	1050	" 4 R
923	1143	1097	1 R.
880	1050	1073	Split
987	1237	1053	
923	1143	1033	Split 3 R
933	1077	1020	" 3 R
1017	1273	1093	" 1 R
940	1250	1130	Swollen 2 R
953	1237	1037	" 2 R
943	1310	1093	" 1 R
990	1360	1157	Swollen 1 R
950	1287	1047	" 2 R.
867	1190	1157	
940	1163	1193	Split 2 R
950	1243	1090	Swollen 3 R
923	1157	1046	" 2 R.
943	1050	590	
1117	1200	943	
1183	1257	920	

Broke out Cl Rub removed inst for Dy of to test ½ Rubber Hum.

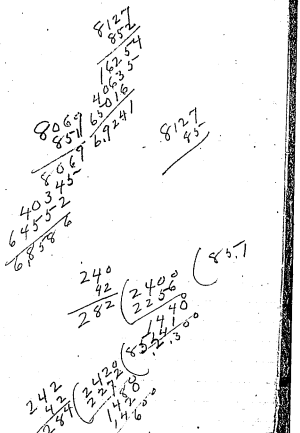
Often 200 hot. inside 3" Pilsen in ZIK 8 adjacent L.Coff—then in one box in ZIK 2 Cold.	9604	900	1150	
	9605	983	1173	
	9606	970	1197	
Ditto	9611	783	1183	
	9112	753	950	
Ditto	9615	850	1100	
	9616	847	1100	
Ditto	9619	799	950	
	9620	950	873	
	9530	950 967	1123	757
	9531	933	1170	777
	9548	950 1117	1257	657
	9549	1083	1183	667
	9550	1010	1123	683
	9551	1000	1193	687

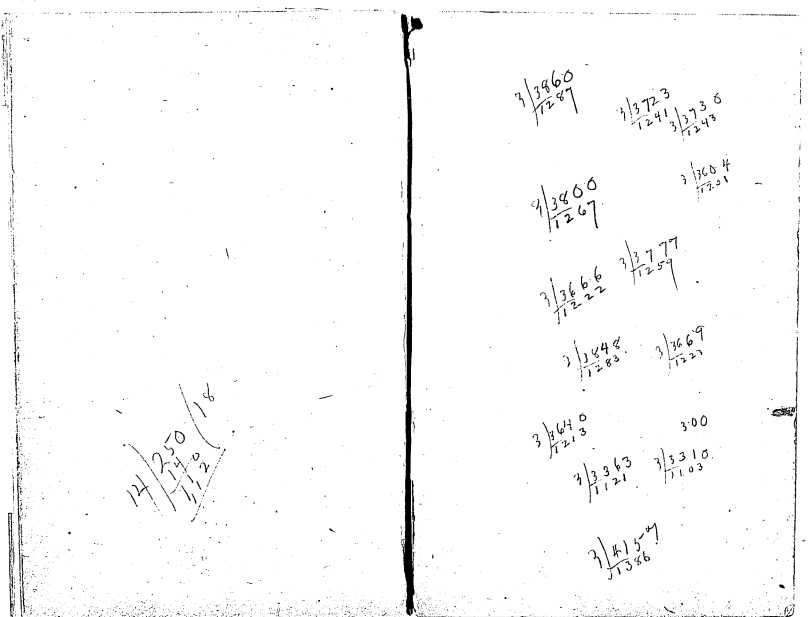
24 ft	17	bends before breaking-	Weakest Tensile (3)
3 "	10	"	
4 "	12	"	
9 "	10	"	
19-20	11	"	
23	13	"	
35	19	"	

good tubes without 24th Jan 25

		25	50	100	
708	Soaked NH4 —	1179	1127	1106	
714	RA CP Soda	1215	1167	1174	
	Mass action green 6079	1186	1130	1147	
	707 no wash filtered,	1191	1174	1182	
8190	Mich in green	1162	1052	1101	
8292	green dark 3 gm Aluminum — Kalt	1059	1133	1114	
	$Ni O_2 H_2$ in Conc NH_4 NH_4Cl	1181	1113	1137	
8439	BrSoy green	1211	1219	1238	
8514	RA 721 ½ w filtered	1239	1218		
9557	" kept - Decant -	1267	1232		
8553	" Percol	1283	1213		
8559	"	1121	1103		
	not filtered Decant	1259	1223		
8574	"	1241	1201		
8580	1062 RA. Percol	1287	1243		
8586	" Decant				
7782	RA 708 7 f	1054		1034	1088
7788	" heated, 7 f	1074		1067	1132
7794	" not heat 10 f	994		994	1038
7868	RA 716 ½ w not filt Co free Kepro	1110		1093	1110
8409	Bact Chromat K	1211	1217	1230	

721Ra	2.16%	Ni_3CO_3
708	1.5	"
719	0.88	"
707	2.40	"





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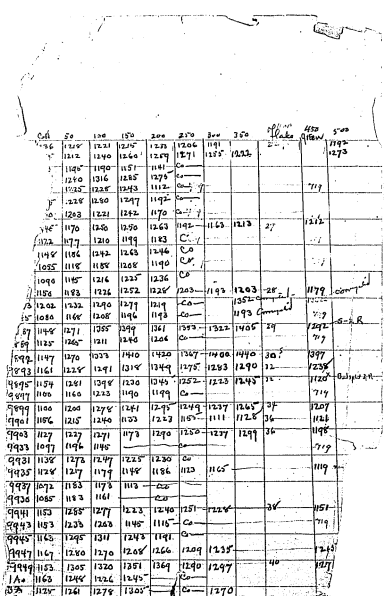

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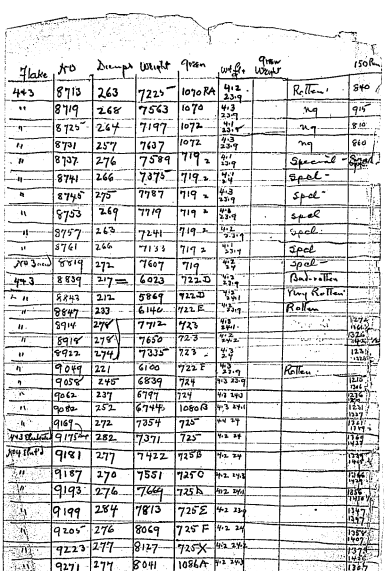

Flake	STD	Disp%	Weight	Grain	Wt/Gr	Grain Weight		ISOR
443	8713	263	7225	1070 RA	4:2 23:9		Rotten	840
"	8719	268	7583	1070	4:3 23:9		ng	915
"	8725	264	7197	1072	4:1 23:9		ng	810
"	8731	257	7637	1072	4:3 23:9		ng	840
"	8737	276	7589	719 2	4:1 23:9		Special	Spec
"	8741	266	7375	719 2	4:1 23:9		Spal	
"	8745	275	7787	719 2	4:3 23:9		Spal	
"	8753	269	7719	719 2	4:3 23:9		spal	
"	8757	263	7241	719 2	4:1 23:9		Spal	
"	8761	266	7133	719 2	4:1 23:9		Spal	
443 Bad	8819	272	7607	719	4:2 23:9		Spal	
443	8839	217 =	6023	722 D	4:3 23:9		Bad-rotten	
"	8843	272	5869	722 D	4:1 23:9		Ring Rotten	
"	8847	233	6140	722 E	4:2 23:9		Rotten	
"	8914	274	7712	723	4:3 23:9			
"	8918	278	7650	723	4:3 23:9			
"	8922	274	7335	723	4:3 23:9			
"	9044	221	6100	722 F	4:3 23:9		Rotten	
"	9058	245	6839	724	4:3 23:9			
"	9062	237	6787	724	4:2 23:9			
"	9088	252	6744	1080 G	4:3 23:9			
"	9167	272	7354	725	4:4 23:9			
443 Bad	9171	282	7371	725	4:2 23:9			
443 Bad	9181	277	7422	725 B	4:2 23:9			
"	9187	270	7551	725 C	4:2 23:9			
"	9193	276	7669	725 D	4:2 23:9			
"	9199	284	7813	725 E	4:2 23:9			
"	9205	276	8069	725 F	4:2 23:9			
"	9223	277	8127	725 X	4:2 23:9			
"	9271	279	8041	1086 A	4:2 23:9			

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Not OX 2 Lost

	(Calf)	50	100	150	Comp.	
9660–719	1136	1218	1221	1215	1233	22 f crumpled by hand
9662 723	1135	1212	1240	1260	1259	
9663 719	1110	1195	1190	1151	1141	24 f had is crumpled by hand to feed
9664 723	1156	1230	1316	1285	1275	24 f " "
9865 719	1145	1225	1228	1243	1112	25 f
9867 723	1170	1225	1250	1297	1192	25 f "
9869 719	1160	1206	1221	1242	1170	27 f Considering the weather and the Curing it runs a great deal happen not very healthy do the heavy part left in sick — Operation of work dressing) Sickness all out upon that get a piece of ground set off from any
9871 723	1145	1170	1250	1250	1263	
9873 719	1122	1177	1210	1199	1183	33 f not ox healthy
9875 723	1148	1186	1242	1263	1246	33 f "
9877 719	1055	1118	1188	1208	1190	26 f not ox healthy
9879 723	1090	1145	1216	1225	1236	
9881 719	1150	1183	1226	1252	1228	28 f not ox very poor in Curing the cattle in general from the Curing of the Cattle that were put back in separate yards and dressed for Curing Monthly fairs decent yet in regular of 70 to 80 (all) & from ox from the last H
9883	1202	1232	1290	1279	1219	
9885 719	1080	1168	1208	1196	1193	29 f not ox healthy
9887 723	1148	1271	1355	1399	1361	29 f " "
9889 719	1129	1205	1211	1240	1206	30 f not ox
9891 723	1147	1270	1333	1410	1420	30 f "
9893 719	1161	1228	1291	1318	1349	32 f not ox
9895 723	1154	1281	1398	1230	1345	32 f "

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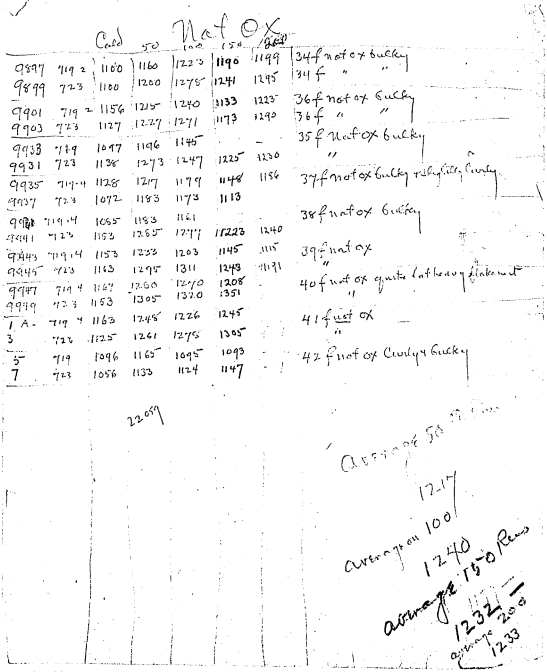

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Oxidized Church —

9672	723	1092	1120			22 f ox + Church.
9674	719	1090	1003			22 f "
9706	723	1151	1130			34 f ox + Church
9705	719	1068	968	1066		24 f " " "
9905	719	1123	1193	1183	1161	-1197 26 f Ox + Church & Lucky
9907	723	1162	1255	1241	1193	1219 26 f " " " "
9909	719	1150	1198	1188	1132	1207 27 f Ox + H. Lucky
9911	723	1153	1226	1237	1200	27 f " "
9913	719	1176	1253	1232	1075	- 28 f ox + H. Slightly Lucky
9915	723	1185	1253	1188	1093	- 28 f " " "
9917	719	1180	1205	1106	991	- 29 f ox + H - Slightly Lucky
9919	723	1196	1178	1000	967	- 29 f " "
9921	719	1188	1192	1040	955	- 32 f ox + Church — (Two samples mixed up sent 2 samples marked 32
9923	723	1186	1171	1053	1093	-
9	719	1215	1253	1120	1146	- 36 f ox + Church. Lucky
11	723	1216	1276	1368	1348	-
13	719	1201	1253	1271	1236	32 f ox + Church.
15	723	1210	1343	1293	1236	
17	719	1049	1162	1155	1190	34 f ox + Church.
19	723	1067	1163	1151	1196	
21	719	1063	1175	1168	1190	35 f ox + Church.
23	723	1048	1160	1175	1178	
25	719	1200	1215	1210	1206	36 f ox + Church
27	723	1218	1238	1263	1260	
29	719	1240	1255	1098	1103	33 f ox + Church
31	723	1246	1271	1250	1265	
			31194		26866	

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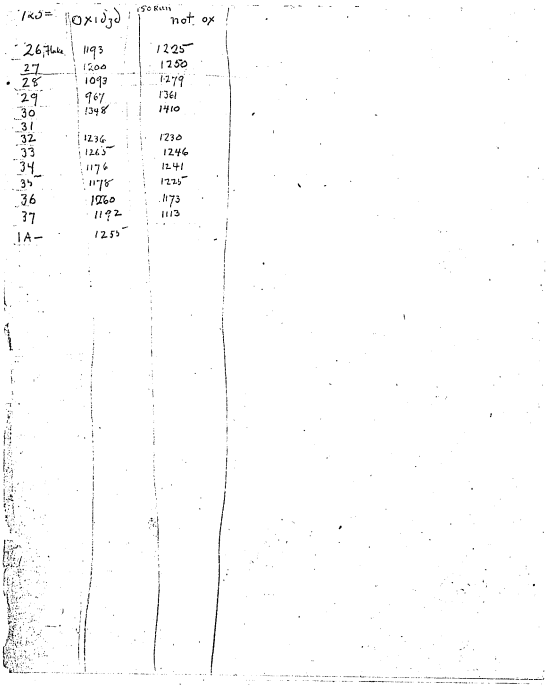

1KO=	(0×1.0)0	150 RMH not ox
26 Tue	1193	1225
27	1200	1250
28	1093	1279
29	967	1361
30	1348	1410
31		
32	1236	1230
33	1265	1246
34	1176	1241
35	1178	1225
36	1060	1173
37	1192	1113
1A—	1253	

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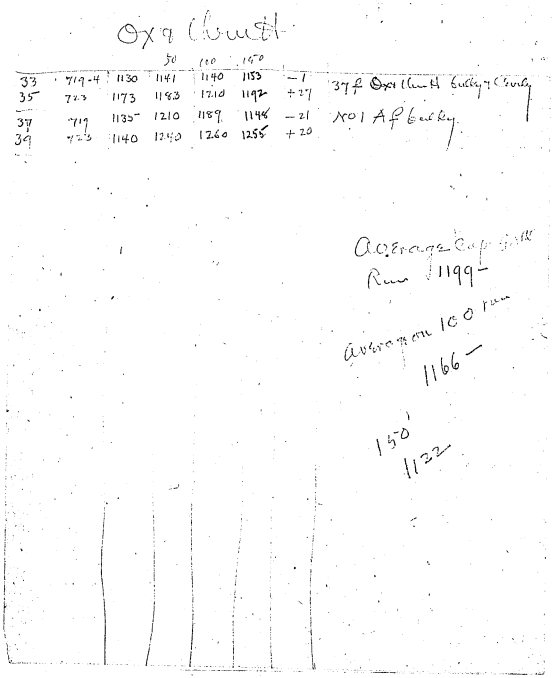

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1 Aflaki – Daily Ox & Chuck 1 Ox & Black

		Cond	50	100	150		
59	718	1192	1301	1298	1236	−5	Ox & Black seeded depth Bubbles
62	719	1205	1227	1195	1180	−32	(Conc H_2SO_4 – Pipes wet.
65	723	1192	1237	1280	1241	+43	4 hours 800 Fahr
68	718	1110	1252	1255	1222	+3	2 hours 800 Fahr
71	719	1074	1149	1161	1105	+12	
74	723	1012	1178	1224	1187	+46	
77	718	1156	1232		1144		1 hour 800 Fahr
80	719	1141	1217	1208	1163	−9	Blemish Scaley
83	723	1098	1244	1268	1182	+24	
86	718	1171	1276	1259	1169	−17	Reduced K not provided Surf
89	719	1136	1202	1175	1104	−27	Pipes wet with acid —
92	723	1132	1226	1272	1217	+46	(See Corrosion equipment) 4 hours 800 Fahr
95	718	1196	1249	1267	1115	−31	ditto 2 hour 800
98	719	1181	1259	1162	—	+3	
101	723	1172	1287	1359	1331	+72	
104	718	1201	1273	1271	1193	−2	Reduced compression & collapse pipes
107	719	1195	1231	1238	1163	+7	corroded from acid —
110	723	1180	1250	1301	1209	+51	2 hours 800 Fahr
113	718	1217	1301	1190	1069	−11	Ditto 4 hours 800 -
116	719	1266	1248	1209	1121	−37	
119	723	1239	1273	1280	1190	+7	
122	718	1211	1309	1290	1163	−19	Ditto 1 hour 800
125	719	1249	1256	1243	1145	−13	
128	723	1209	1257	1308	1234	+51	

3024

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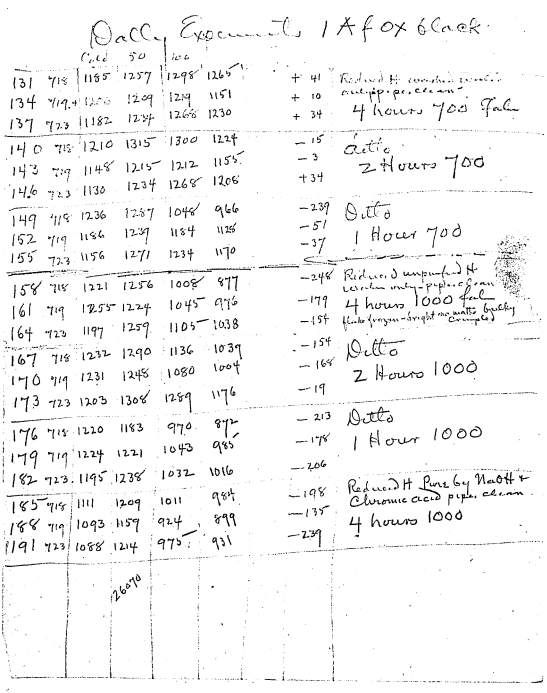

Daily Experiments 1 A fox black

		Cold	50	100		
131	718	1195	1257	1298	1265	+ 41 Reduced H. cornelian cherries + 10 mulipp. per. cream
134	719.4	1200	1209	1219	1151	+ 34 4 hours 700 Tab
137	723	1182	1234	1268	1230	
140	718	1210	1315	1300	1224	− 15 Ditto
143	719	1148	1215	1212	1158	− 3 2 Hours 700
146	723	1130	1234	1268	1206	+ 34
149	718	1236	1287	1048	966	−239 Ditto
152	719	1186	1239	1184	1126	− 57 1 Hour 700
155	723	1156	1271	1234	1170	− 37
158	718	1221	1256	1008	877	−248 Reduced unpurified H cornelian mulp. pipp. cream
161	719	1255	1224	1045	976	−179 4 hours 1000 Tab
164	723	1197	1259	1105	1038	−154 Hinks Jenyns + bright manitis barley Cummings
167	718	1232	1290	1136	1039	−154 Ditto
170	719	1231	1248	1080	1004	−168 2 Hours 1000
173	723	1203	1308	1289	1176	−19
176	718	1220	1183	970	872	− 213 Ditto
179	719	1224	1221	1043	985	−178 1 Hour 1000
182	723	1195	1238	1032	1016	−206
185	718	1111	1209	1011	904	−198 Reduced H Pure by Nordh + Chromic acid pipp. cream
188	719	1093	1159	924	899	−135 4 hours 1000
191	723	1088	1214	975	931	−239

2690

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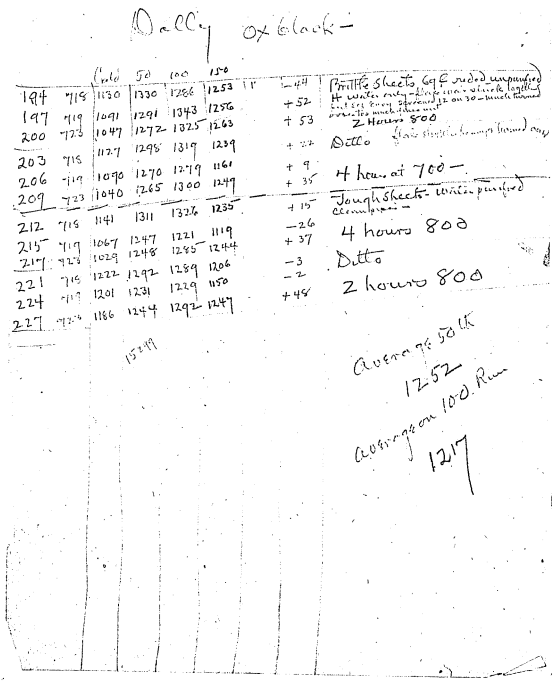


Notebook, N-09-01-12

Long tube 132/32 ths

Short 92/32

For long tube

Multiply short by

44 + add

Short 1200
44

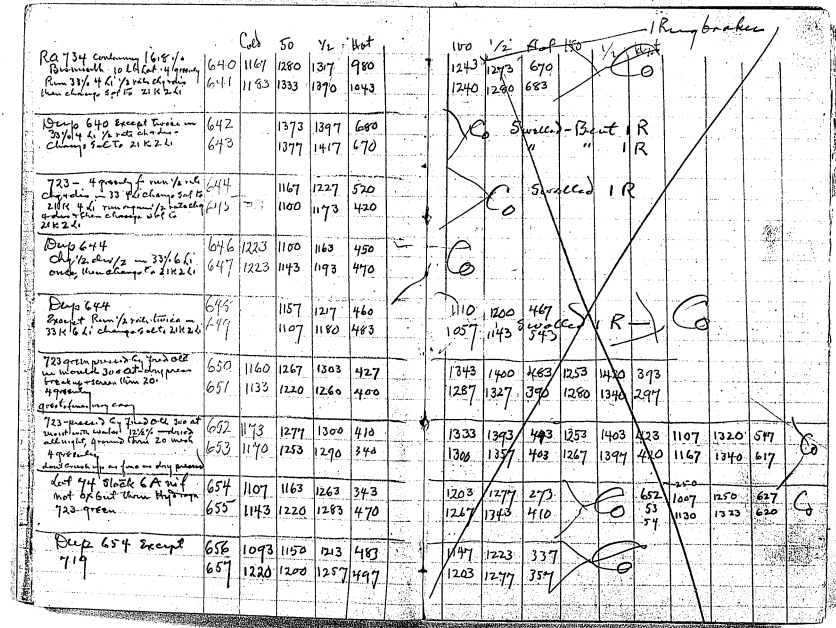
4800

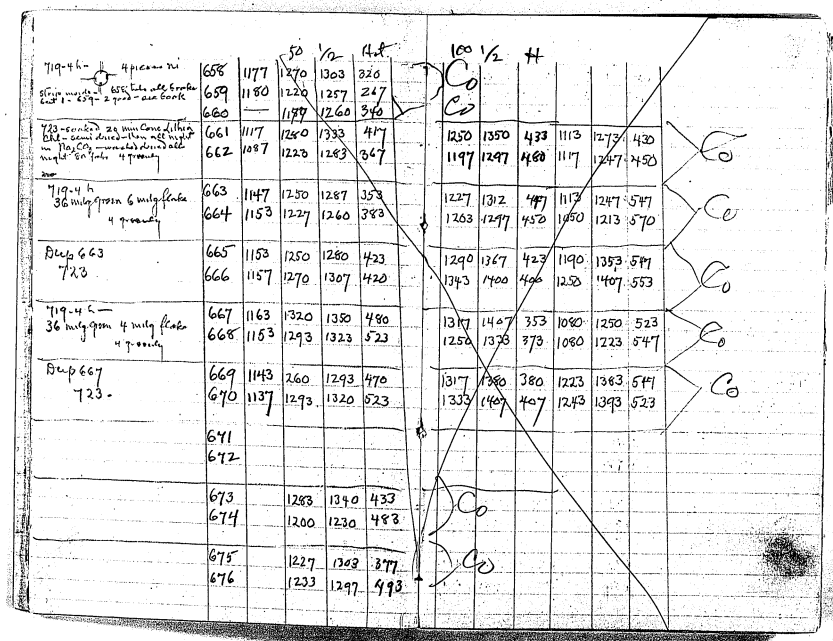
5280

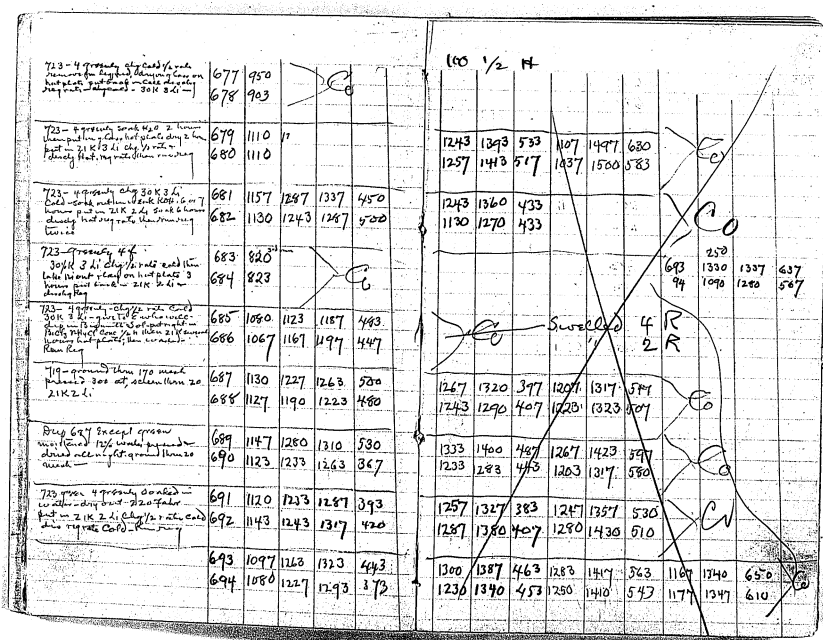
5280

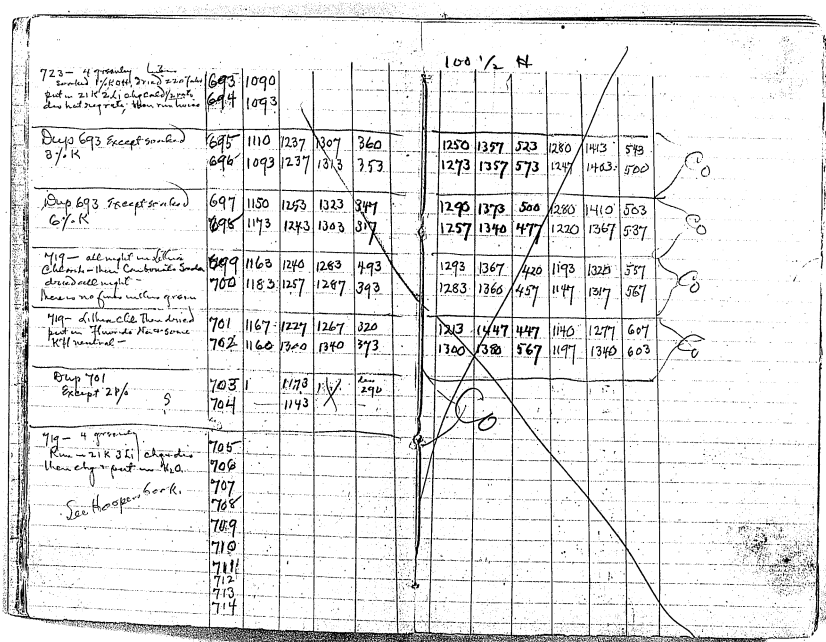
1200
928
272 long tube by

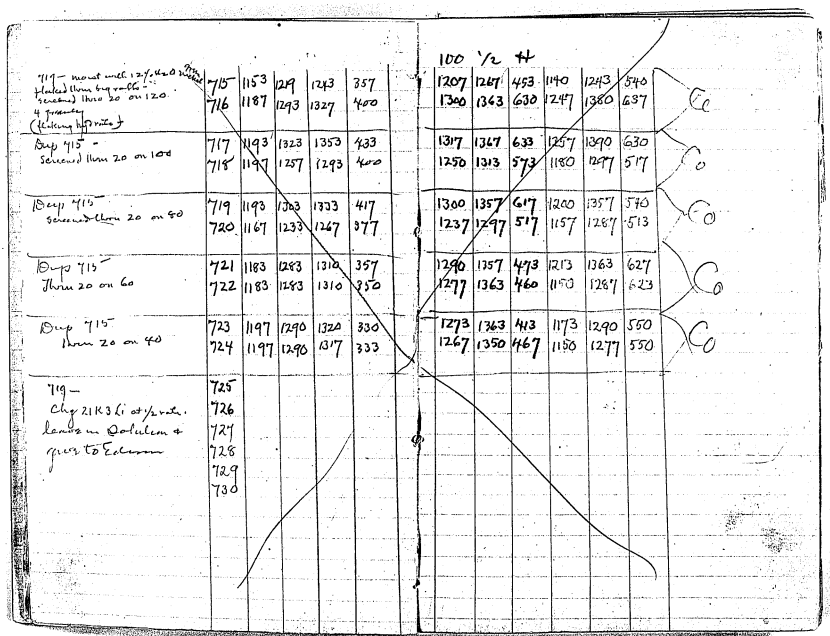
19 actual measurement


Cold
50
½
Hot
Ra 734 condemning 16.8 ½ Brinnell 10 kg ball 4 mm Run 33½ 4 Li ½ rate change Then change set to 21 K 2 Li
640 1167 1280 1317 980
641 1183 1333 1370 1043
Group 640 Except Tunes on 33½ 4 Li ½ rate change - Change set to 21 K 2 Li
642 1373 1397 680
643 1377 1417 670
723 – 4 pound ½ run ½ rate change in 33 ½ Li change set to 21 K 4 Li Run 4 mm ½ Li testing then change set to 21 K 2 Li
644 1167 1227 520
645 1100 1173 420
Dup 644 Chg ½ sec ½ — 33½ 6 Li only Then change to 21 K 2 Li
646 1223 1100 1163 450
647 1223 1143 1193 470
Dup 644 Except Run ½ rate time on 33 K 6 Li change set to 21 K 2 Li
648 1157 1217 460
649 1107 1180 483
723 open pressure 6 g 7 min 30 sec in warmth 30 sec at 1 atmosphere pressure breaking seams then 20 4 pounds
650 1160 1267 1303 427
651 1133 1220 1260 400
723 – pressure 6 g 7 min 30 sec in warmth 30 sec at 1226 ½ reducing atmosphere ground then 20 min 4 pounds
652 1173 1271 1300 410
653 1170 1253 1290 378
Cut 44 Stock 6A not by Cut then Hydrogen 723 green
654 1107 1163 1263 373
655 1143 1220 1283 470
Dup 654 except 719
656 1093 1150 1213 483
657 1220 1200 1257 497
100
½
Hot 150
½
Hot
1 Ring brakes
1243 1273 670
1240 1280 683
Swelled - Burst 1 R
" " 1 R
Swelled 1 R
1110 1200 467
1057 1143 595
Swelled 1 R
1343 1400 483 1253 1430 393
1287 1327 390 1280 1340 297
1333 1393 493 1253 1403 423 1107 1320 587
1300 1357 493 1267 1397 420 1167 1340 617
1203 1277 273 652 1207 1250 627
1227 1343 410 53 1130 1323 620
54
1197 1223 337
1203 1277 357

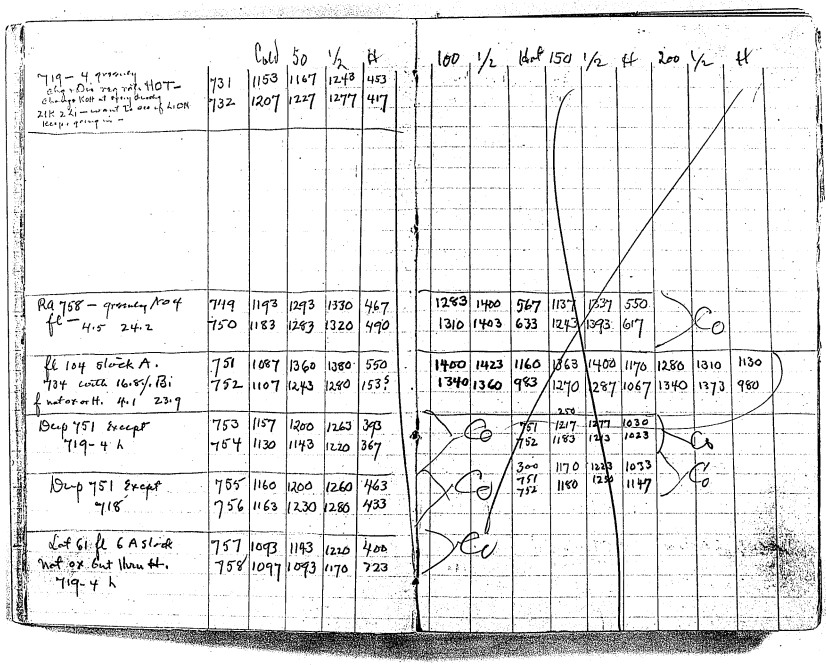

719-4 h- 4 pieces ni
Strep mycelial 655 Eds. alc 6 grams
Cult 1 - 659 - 2 yeast - see book
723 - crushed 24 mins Conc dilute
Cult - semi dried - then all night
in Na_2CO_3 - washed dried all
night - 5% Tube 4 grams
719-4 h
36 milg Gram 6 milg flasks
4 grams
Bup 663
723
719-4 h -
36 milg Gram 4 milg flasks
4 grams
Bup 667
723.
50
1/2
Hrs
100
1/2
H
Co
Co
Co
Co
Co
Co
Co

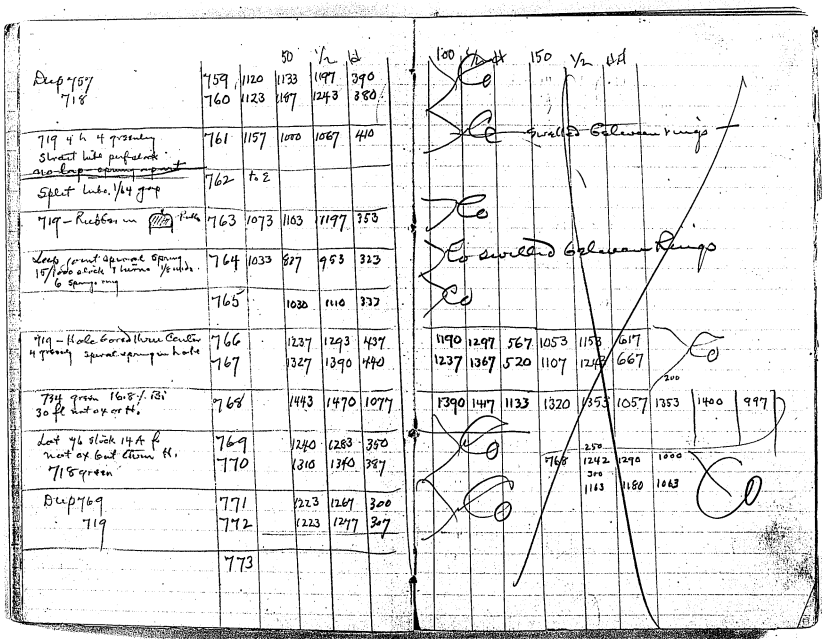






							100	½	H				
719 – moved with 12½ H2O	715	1153	1249	1243	357		1207	1267	453	1140	1243	540	
planted then top rolls –	716	1187	1293	1327	400		1300	1343	630	1247	1380	637	Cc
screened thru 20 on 120.													
4 treasury													
(Hickory high moist													
Dup 715 –	717	1193	1323	1353	433		1317	1367	633	1257	1390	630	
Screened thru 20 on 100	718	1197	1257	1293	400		1250	1313	573	1180	1297	517	C
Dup 715 –	719	1193	1303	1333	417		1300	1357	617	1200	1357	570	
screened thru 20 on 60	720	1167	1233	1247	377		1237	1297	517	1157	1287	513	C
Dup 715 –	721	1183	1283	1310	357		1290	1357	473	1213	1363	627	
Thru 20 on 60	722	1183	1283	1310	350		1277	1363	460	1150	1287	623	C
Dup 715 –	723	1197	1290	1320	330		1273	1363	413	1173	1290	550	
Thru 20 on 40	724	1197	1290	1317	333		1267	1350	467	1150	1277	550	C
719 –	725												
Chg 21K3 Li ot ½ rate.	726												
Lambs in Oakulem &	727												
goes to Ecleman	728												
	729												
	730												




Dup 767
718
719 4 h 4 grooves
Short tube perforated
Split tube 1/64 gap
719 – Rubber
Long front spiral spring
6 spring ring
719 – Hole bored three Center
4 grooves spiral spring on hole
734 green 16.8 y. 181
30 ft but ox or H.
Lot 46 stock 14 A f
not ox 6 but Cross H.
718 green
Dup 769
719
Shielded Gelman rings
Shielded Gelman Rings
200
250
300

New not Oxford Flake hereafter

Dup 8628 Except fl 104 Block 20A not Oxford 4.3 2317 original 8625 1264	774	1150	1190	1267	373	
	775	1147 1148 1222	1167 1174 1196	1243 113	313	
Dup 8722 Except fl 104 block 20A not Oxford — all 9722	776	1150	1193	1273	337	
	777	1167 1158 1207	1257 1225 1334	1327	340	
Dup 9082 fl 104 — lot 6,790 all 9082	778	1033	1157	1223	263	
	779	1040 1038 1071	1180 1165 1234	1240	307	
Dup 9172 Except 104 fc not Oxford — all 9172	780	1193	1287	1333	370	
	781	1173 1165 1177	1230 1205 1226	1277	400	
Dup 9304 Except 104 fl lot 8000. all 9304	782	1127	1157	1267	433	
	783	1167 1226	1216 1193 1354	1317	530	
Run once 1/2 mile 739 Frenchtown 30 on 170 Lot 174 – 132 Hosmer Cr Road east back 596 – not oxford Flat Spring – mapped Flat Spring Hosmer Hill Road crossed Salmond Hill, Hill comps def for 21K run 6 days hot – 257 7.300			Cancelled comp after 12 Hot	½	Hot	
Dup 796 Except run Twice 1/2 mile – salmond Hill – Flat Spring 21K run 6 days hot.	798	947	12 Hot 1383	1410	1103	
	799	947	1373	1410	1127	

100	½	Hot	150	½	Hot	200	½	Hot
1260	1343	420	1307	1423	490	1290	1443	590
1227 1296 1137	1317	433	1263 1295	1387	490	1250 1270	1400	560
1247	1333	447	1287	1403	553	1280	1407	557
1333 1290 1266	1400	467	1363 1325	1447	640	1313 1296	1447	640
1223	1270	367	1263	1367	593	1257	1371	597
1260 1241 1182	1310	377	1283 1275	1363	613	1277 1247	1383	687
1317	1380	430	1370	1457	633	1313	1460	720
1293 1305 1259	1363	427	1333 1351 1324	1430	637	1277 1295 1249	1407	667
1223	1347	437	1297	1460	593	1250	1460	690
1297 1300 1243	1417	500	1397 1347 1167	1523	677	1380 1260	1537	623
50	½	Hot	100			150		
1397	1430	613	1410	1443	710	1327	1403	443
1387	1427	570	1417	1458	487	1343	1413	417
1413	1463	403	1433	1463	457	798 cold	947	978
1420	1468	397	1410	1463	410			
						1327	1410	1373
						1310	1397	387

Hog

So Fuller ahead

So Cliff

		Cold	Hot	½	Hot	501	½	H	100	½	H	1623
Drop 796 Except run 3 times ½ rate in Saturated Liq. then change Set To 21K run hot 6 drop	800	943	1333	1377	1020	1410	1450	560	1440	1497	1447	1333
	801	940	1333	1377	1010	1420	1460	483	1457	1493	1413	1365
Drop 796 – Run once ½ rate in Saturated Liq with Bypass Cannelure Bent to back side – then change Set To 21K – run 6 drop hot	802	322	1210	1257	547	1290	1320	247	1320	1367	1276	1267
	803	967	1293	1333	590	1347	1383	287	1363	1407	1317	1310
Drop 796 Except Run twice ½ rate in Saturated Liq with Bypass Cannelure Bent to Change To 21 Hot run 6 drop hot	804	940	1343	1373	1037	1360	1423	360	1380	1430	1337	1330
	805	958	1357	1410	967	1400	1457	380	1397	1450	1360	1317
Drop 796 Except Run 3 Times	806	920	1313	1350	973	1397	1440	493	1410	1453	1407	1347
	807	937	1313	1350	917	1393	1447	477	1440	1453	1400	1313
739 – Run 30 on 170 104 ft Oil to once 38 K ½ rate Then change to 21K Set except Leave last Run Regular Set 6 drop	808	987	997	½ Hot Quench	458							
	809	1017	1027									
Scrap Mix Reground Report in news first plot	810											
	811											
	812											

3.12

Note Run 796 to 807 Inclusive

See Jumps

Also they were changed to Hot full rate

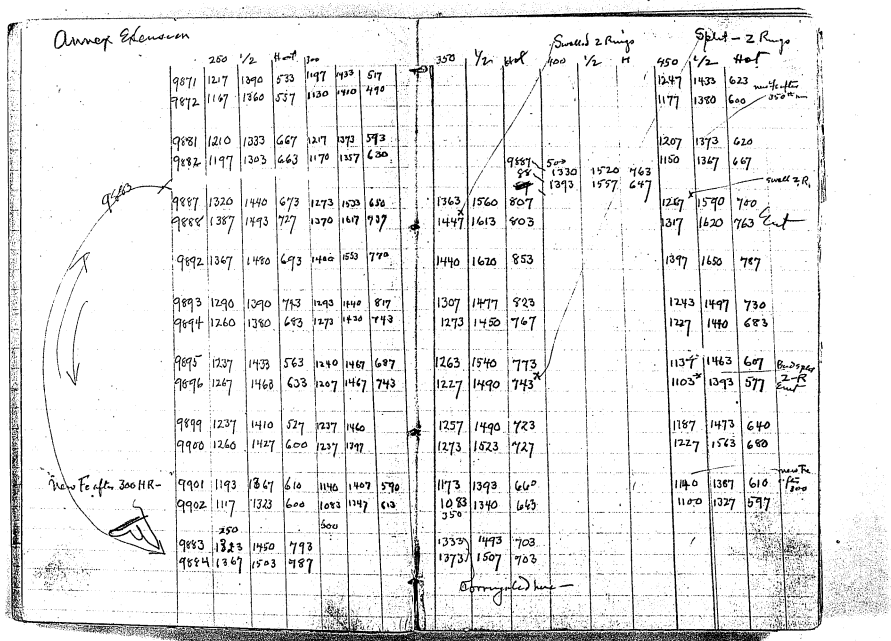
Reference 796 807 Groups were changed to ½ rate – Hot

Both had ½ rate hot

Note 796 – to 801 were over 1050 Hot at 12 Hot runs – went down Hot at 50 –

Barely Group Scrap

Notice higher Hot more times than when on ½ rate


Annex Extension
260 1/2 Half 300
9871 1217 1390 533 1197 433 517
9872 1167 1360 537 1130 410 490
9881 1210 1333 667 1217 373 593
9882 1197 1303 663 1170 357 630
9887 1320 1440 673 1273 1533 680
9888 1387 1493 727 1370 1617 737
9892 1367 1480 693 1420 1553 770
9893 1290 1390 743 1293 1140 817
9894 1260 1380 683 1273 1430 743
9895 1237 1433 563 1240 1467 687
9896 1267 1468 633 1207 1447 743
9899 1237 1410 527 1237 1460
9900 1266 1427 600 1237 1397
New Feeder 300 HR
9901 1193 1367 610 1146 1407 570
9902 1117 1323 600 1083 1347 613
500
250
9883 1323 1450 793
9884 1367 1503 787
350 1/2 Half
1263 1540 773
1227 1490 743
1257 1490 723
1273 1523 727
1173 1393 660
1083 1340 643
350
1333 1493 703
1373 1507 703
Borrowed here
Small 2 Rings
400 1/2 H
9887 500
58 1330 1520 763
1393 1557 647
Split - 2 Rings
450 1/2 Half
1247 1433 623
1177 1380 600
1207 1373 620
1150 1367 667
1267 1590 700
1317 1620 763
1397 1680 767
1243 1497 730
1227 1440 683
1137 1463 607
1103 1393 577
1187 1473 640
1227 1563 680
1140 1387 610
1100 1327 597
Small 2 Rings
End
Bad spot 2 Rings End
New Tr for 300

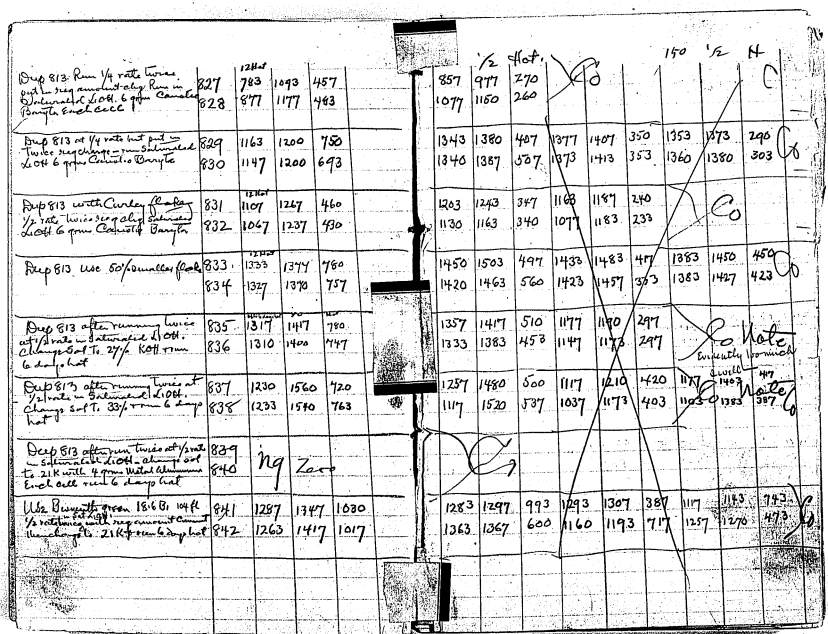
New [illegible] 300 [illegible]

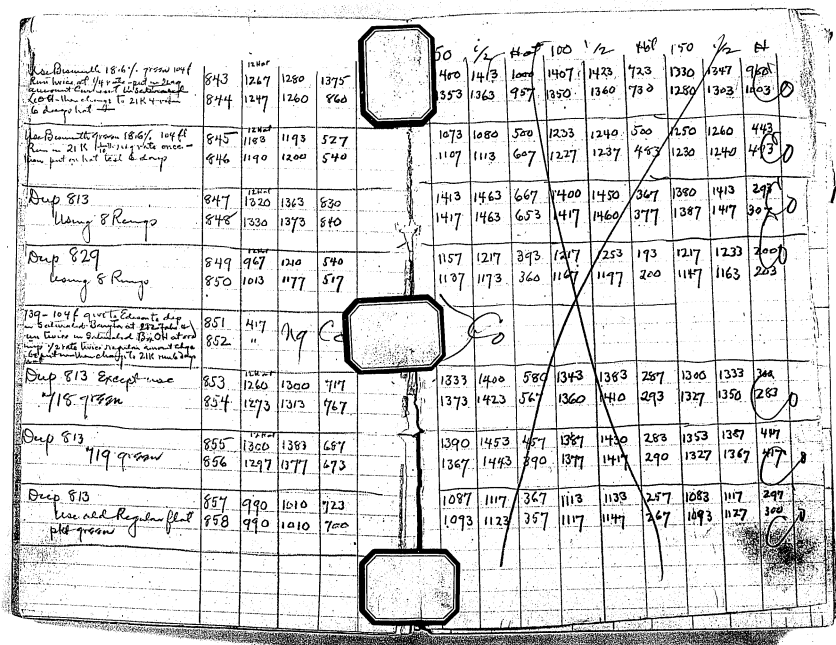
					300	1/2	H	350	1/2	H		450	1/2	H
9903	1263	1450	623		1237	1517	670	1300	1580	750		1223	1577	
9904	1237	1377	543		1240	1437	690	1297	1487	720		1173	1450	
	1250				1237									
9905	1143	1317	600	Co										
9906	1083	1277	583											
9907	1120	1353	573	Co										
9908	1120	1393	550											
9935	1127	1343	543		1177	1410	697	1183	1410	697		1137	1327	557
9936	1120	1350	570		1153	1400	667	1170	1403	627		1100	1313	513
	1123				1165									
9941	1263	1420	697		1237	1493	697	1217	1557	690		1173	1523	630
9942	1240	1400	657		1220	1457	653	1217	1480	660		1133	1450	603
	1251				1228									
All	300 983	1157	543											
9885	350 1203	1330	697	Compiled										
9886	1183	1313	650											

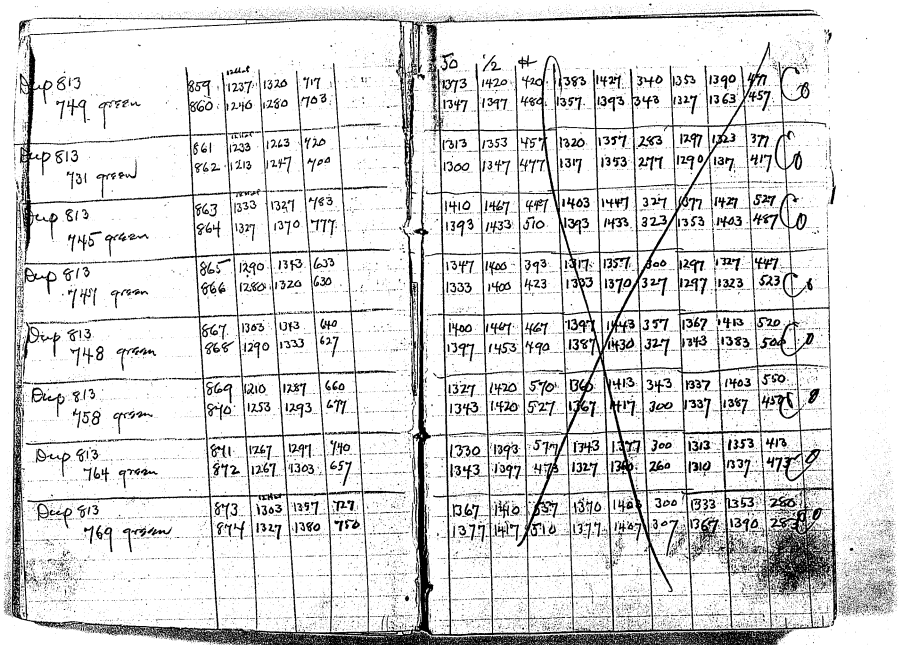
	250	1/2	H	300	1/2	Hot							
9947	1190	1343	640	1223	1353	733	1247	1410	787		1183	1403	657
9948	1227	1373	700	1247	1397	677	1263	1427	807		1247	1483	707
	1209	1355		1235						[illegible]			
9949	1280	1457	707	1300	1467	623	1333	1503	803	[illegible]	1390	[illegible]	[illegible]
9950	1300	1450	680	1293	1453	557	1300	1483	763	[illegible]	1343	1488	673
	1290			1296									

All of not op of th —

		V	½	Hot	50	½	H	100	½	Hot	150	½	H'
739 — totaling 915 on dammed gn and rotator Path 104 pilot Run 1 Longer to 1 Times Into 24 on 176 24. 9 Cinder what Rotator 3/4 2013 Lbs Marks for 9 pilot Run 2 Dep — 17 / 6 Ramp 1 Run saturated cloth 1 Times Twice 1/2 rate then Ramp To 21 Keep pilot hot 6 Ramp 1/4 Rate Time 782 Ramp 1 pilot 5 Ramp 7439	813	1320	1367	573	1377	1420	393	1353	1380	247	1333	1360	193
	814	1343	1343	650	1387	1430	453	1380	1410	280	1360	1387	293
Dep 813 but put in Twice as what total change at same rate	815	1303	1333	719	1380	1430	523	1380	1413	253	1363	1390	307
	816	1317	1357	750	1400	1447	593	1403	1440	330	1387	1430	443
Dep 813 But run 1/4 rate put in big amount of change	817	1303	1371	807	1390	1430	807	1403	1440	407	1357	1400	243
	818	1300	1350	800	1377	1413	660	1373	1407	367	1357	1373	233
Dep 813 1/4 rate twice but put in twice reg change	819	1263	1303	883	1360	1403	740	1383	1420	410	1383	1400	253
	820	1250	1293	867	1357	1393	610	1390	1420	373	1370	1390	280
Dep 813 Using Cinder Rate 139 Stock 28A — not op th How H	821	1310	1350	653	1357	1393	440	1327	1350	387	1310	1340	377
	822	1320	1367	617	1363	1413	397	1363	1397	330	1330	1353	337
Dep 813 1/2 rate twice in Saturated cloth containing 6 gpm Cinder Bowl Enclosed —	823	1307	1353	613	1357	1400	350	1347	1388	260	1317	1347	347
	824	1237	1316	503	1287	1323	323	1273	1313	227	1277	1347	327
Dep 813 — 1/2 rate twice but put in Double reg Charge Run — Saturated cloth & put Cinder Bowl Enclosed	825	1287	1320	763	1380	1423	577	1380	1423	347	1353	1390	447
	826	1200	1273	643	1330	1383	513	1323	1363	304	1320	1350	297







Dup 813 749 green	859	1237	1320	717	
	860	1246	1280	708	
Dup 813 731 green	861	1233	1263	720	
	862	1218	1247	700	
Dup 813 745 green	863	1333	1327	783	
	864	1327	1370	777	
Dup 813 741 green	865	1290	1313	693	
	866	1280	1320	630	
Dup 813 748 green	867	1303	1313	640	
	868	1290	1333	627	
Dup 813 758 green	869	1210	1287	660	
	870	1253	1293	677	
Dup 813 764 green	871	1267	1291	740	
	872	1267	1303	657	
Dup 813 769 green	873	1303	1357	727	
	874	1327	1380	758	

50	1/2	#								
1373	1420	420	1383	1427	340	1353	1390	477	C	B
1347	1397	480	1357	1393	348	1327	1363	457		
1313	1353	457	1320	1357	283	1297	1323	371	C	C
1300	1347	477	1317	1353	277	1290	1317	417		
1410	1467	487	1403	1447	327	1377	1427	527	C	C
1393	1433	510	1393	1433	323	1353	1403	487		
1347	1400	393	1317	1357	300	1297	1327	447		
1333	1400	423	1303	1370	327	1297	1323	523	C	B
1400	1447	467	1397	1443	357	1367	1413	520	C	D
1397	1453	490	1387	1430	327	1343	1383	504		
1327	1420	570	1360	1413	343	1337	1403	550		
1343	1420	527	1367	1417	300	1337	1387	457	C	D
1330	1393	577	1343	1397	300	1313	1353	413		
1343	1397	473	1327	1380	260	1310	1337	473	C	D
1367	1440	537	1370	1423	300	1333	1353	250	C	D
1377	1417	510	1377	1427	307	1367	1390	253		

Dup 813		2nd hot			
741 green	875	1367	1407	1000	
	876	1363	1400	1290	
Dup 813	877	1397	1480	810	
744 green	878	1400	1473	753	
Dup 813	879	1357	1413	667	
742 "	880	1350	1410	707	
Dup 813	881	1327	1367	777	
740 "	882	1330	1373	908	
Dup 813		2nd hot			
723	883	1290	1400	670	
	884	1290	1397	743	
739 — Custom 21K0H		Quad	50	1/2	Hot
in Prez way. 2 210H.	885	1247	1297	1347	410
739 green 104 fl	886	1250	1333	1380	470
739- 15 sq/2 smaller fl 21K					
2 210H Run in original	887	1247	1287	1343	433
way	888	1253	1297	1353	487
739- Cavity fl 21K 2 210H					
Run in reg way	889	1247	1287	1360	410
	890	1247	1283	1310	387

50	1/2	H	100	1/2	Hot				
1377	1417	660	1373	1403	303	1330	1350	283	
1387	1427	640	1377	1410	310	1337	1357	320	CO
1457	1513	578	1443	1483	313	1430	1460	383	
1457	1513	587	1440	1483	310	1433	1447	380	CO
1413	1460	533	1400	1443	307	1383	1410	367	CO
1400	1450	513	1377	1433	327	1367	1405	307	
1380	1420	463	1387	1447	333	1350	1373	297	
1373	1410	393	1377	1403	320	1343	1367	297	CO
1376	1427	333	1380	1423	277	1353	1383	257	CO
1383	1437	387	1383	1423	290	1363	1390	277	
1297	1347	410	1333	1417	593	1277	1410	573	
1333	1380	470	1377	1463	600	1280	1447	487	
1287	1343	493	1343	1433	593	1310	1443	563	
1297	1353	437	1350	1450	513	1310	1467	590	
1267	1360	410	1340	1467	493	1330	1447	567	
1247	1310	367	1280	1413	447	1273	1410	510	

Thurs 30 on 170							50	½	H	100	½	H	150			
739 - Brussels Sprouts Flake 10th - few stumps Cano Pa Rig Hlf Cut Tall thanksgiving unusual vigorous year Commercial and Camp Redmond 21K 2 Light. 7.500	891	1317	13				1433	1537	690	1450	1680	1200	1467	1660	1097	
	892	1300					1440	1540	833	1423	1583	1183	1433	1587	1200	
Dep 891 Brussels Sprouts Flake Cut ½ with Cuvier Hlf Cut 21K run 6 days hot	893	1400	1443	1320			1407	1463	900	1387	1453	1137	1350	1443	317	
	894	1467	1567	1347			1377	1443	1100	1383	1478	1110	1340	1390	323	
Ra 774 4.3 24.2 Thurs 30 on 170 7.730	895	1230					1340	1383	310	1263	1383	570	1297	530		
	896	1253					1330	1377	383	1293	1433	587	1293	807		
Ra 764 4.3 23.8 7.323	897	1193					1283	1330	363	1253	1350	563	1237	1360	643	
	898	1187					1340	1333	397	1237	1353	640	1250	1383	697	
Ra 769 7.490	899	1190					1227	1290	347	1220	1340	490	1227	1350	603	
	900	1157					1227	1293	313	1237	1353	470	1233	1377	600	
719 4 h 10 Aff Cooked Burnett 26 grm Cut 1300 CC Wat. 12 CC Sulfid Thursday hot. ½ wet Cuvier 21K 2 Light. 7.840	901						1273	1430	433	1277	1557	533	1363	1557	863	
	902						1323	1440	370	1303	1500	510	1300	1483	667	
Dep 901 719-4 Exception Rig in 21K 2 Light 26 grm hot	903	1230					1330	1430	433	1330	1533	760	1393	1570	900	
	904	1237					1350	1450	403	1340	1533	780	1393	1573	693	
Use 718 + Bi Aff 26 grm Cut ½ wet Cuvier dry rig rate 21K 2 Light then rain rig 7.418	905	1223					1360	1437	407	1353	1457	557	1400	1493	947	
	906	1223					1380	1503	543	1420	1607	723	1397	1580	1027	

Thurs 30 on 170 — The flake Cooked heavy with Bi where 26 grm Cut cures on Thurs —

Shows 3 62 18 cc Bi Aff Hot fruit wet — flake under ¼ run heavy

Dep 891 — Co

Ra 774 — Co

Ra 764 — Co

Ra 769 — Co

719 4 h 10 Aff Cooked Burnett 26 grm Cut 1300 CC Wat. 12 CC Sulfid Thursday hot. ½ wet Cuvier 21K 2 Light. 7.840 — Dep

Use 718 + Bi Aff 26 grm Cut ½ wet Cuvier dry rig rate 21K 2 Light then rain rig 7.418 — Dep

✳ See Hot Cap — Bi + Aff must clean off on flake + this Zyl in high Hot — Li is not permanent Bi + pein Aff

		12Hot			
739 104f					
Run 1/2 mile Cruise then ramp rate 21K3 Cool then step up 21K run 6 deep hot	907	1243	1263	353	
	908	1247	1267	353	
739 104f Run 1/2 mile Cruise then step rate up 21K3 5 gpm Cool then step up to 21K run 6 deep Cool	909	1210	1243	353	
	910	1217	1243	350	
739 104f step 1/2 mile Cruise then step rate up 21K3 then step up to 21K run 6 deep hot	911	1210	1243		
	912	1210	1247		
739 - 104f Run 1/2 mile at 26 gpm Cool step 1/2 mile Cruise then step rate up 21K 6 gpm Cool then step up to 21K run 6 deep Cool	913	1293	1333	487	
	914	1297	1333	530	
739 104f step 1/2 mile Cruise then step up rate HOT run 1/2 mile Run 21K 2 Cool then step up Cool Run 6 deep hot	915	1307	1360		
	916	1307	1360		
739 104f step 1/2 mile Cruise then Run 1/2 mile step up rate HOT run 1/2 mile Cruise then step up to 21K 6 gpm Cool then step up 6 deep hot	917	1353	1393	1313	
	918	1370	1407	1267	
Drop 915 Cool	919	1397	1463	650	
Run 1/2 mile at 26 gpm Cool	920	1400	1467	670	
Drop 917	921	1400	1463	1303	
Cool Run 1/2 mile at 26 gpm Cool	922	1397	1440	1277	

50	1/2	Hot	100	1/2	Hot	150	1/2	H	
1300	1323	267	1317	1343	180	1360	1317	203	C
1283	1313	287	1293	1313	200	1277	1293	250	
1293	1327	293	1303	1327	213	1290	1310	213	C
1303	1330	293	1300	1320	213	1273	1290	213	
1267	1297	347	1290	1307	200	1270	1283	183	C
1257	1290	363	1270	1297	197	1257	1277	207	
1323	1370	390	1303	1340	217	1267	1283	240	C
1313	1307	420	1300	1333	267	1263	1287	260	
1330	1410	680	1347	1460	510	1373	1520	690	
1340	1410	680	1330	1437	527	1360	1467	670	Cut
1407	1443	640	1410	1447	333	1407	1440	343	
1407	1443	643	1413	1443	317	1393	1430	350	Cut
1410	1530	947	1467	1603	730	1423	1477	867	
1453	1547	923	1420	1620	933	1423	1487	907	Cut
1397	1443	850	1400	1447	433	1397	1391		Cut
1447	1450	770	1403	1460	417	1370	1422		

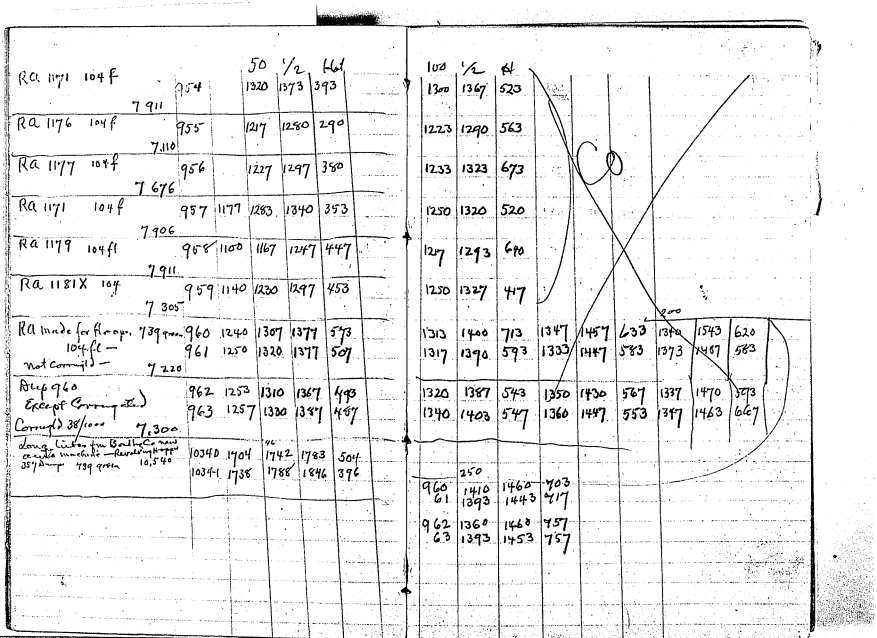
		12ft				50	½	ft	100	½	ft	150	½	ft	
Disp 915 except 81 fleaks 26 ppm Cut Shale bank back on 104 solids not for 412 of 104 ft- but 414 weighted 7430	923	1460	1460	580		1427	1523	833	1440	1687	917	1487	1727	817	Original
	924	1409	1453	617		1420	1583	817	1446	1600	924	1490	1700	810	
739 - Ihm 30 on 190 104 ft 31K ft, 50% w 50% 81 bunkered fleaks old Cut. 7.375	925	1287				1367	1447	453	1397	1447	533	1457	1553	750	
	926	1277				1360	1457	577	1420	1563	613	1473	1627	777	
Disp 925 except 25% 81 fleaks 75% 104 ft not Cut.	927	1250				1297	1371	577	1353	1463	490	1390	1480	537	
	928	1253				1290	1367	683	1377	1483	497	1400	1557	587	
104 ft bunkered with Hydrostion Shale free mud Cut - fleaks bank 739 7.442	929	1287				1310	1417	573	1380	1497	527	1377	1517	593	
739 - 104 ft dump 9 pm Chem 41 ppm 1 Temp ring dump ½ the 81 fleaks Pad Cut ½ pad Cut mud 1.80 - Chem 21K ppm Hard & clay Jetter gun 7.200	930	1293	1330	857		1377	1480	840	1367	1477	603	1350	1493	277	
	931	1297	1353	867		1390	1493	410	1370	1420	353	1353	1397	307	
Disp 930 except clay ½ rat - 21K 2.10pp mud 30 pm 81 and run to dump Cut	932	1350	1393	483		1360	1423	497	1337	1471	510	1380	1493	507	
	933	1333	1383	460		1347	1447	500	1337	1460	490	1380	1510	543	
Disp 930 - except clay from rat in 21K 2.10ppl. 3 Chem Trac on hot & dump	934	1353	1390	499		1363	1433	567	1360	1491	560	1380	1543	603	
	935	1343	1383	437		1357	1430	477	1353	1477	523	1400	1507	437	
739 - 104 20ft Corrugated inlet Ring on 38/100 Ring	936	1247	1263	1320	533	1243	1327	580	1243	1327	580				
	937	1243	1243	1307	490				1237	1320	500				
Disp of 936 - 45/100 Ring corrugated -	938	1250	1267	1337	550				1257	1370	533				
	939	1240	1250	1300	523				1277	1350	460				

			50	½	H
789 104 –					
Ra 1153 – Sun Vac 2 weeks sleep – 7.120	940	1207	1290	1337	487
	941	1207	1290	1337	443
Ra 1156 – 104 267 7.650	942	1117	1207	1257	380
Ra 1161 7.297	943	1120	1217	1287	420
Ra 1162 7.562	944	1163	1260	1317	493
Ra 1163 7.695	945	1157	1253	1317	460
Ra 1172 7.373	946	1153	1217	1283	417
Ra 1173 7.523	947	1067	1147	1203	407
Ra 1175 8.088	948	1043	1110	1150	437
Ra 1170 7.752	949	1103	1183	1250	410
Ra 1174 8.278	950	1173	1250	1307	413
Ra 1181 7.443	951	1123	1223	1307	377
Ra 1182 7.826	952	1150	1203	1277	367
	953	1157	1257	1307	423

Ra 1182 – 6.069 –

100	½	H				
1290	1363	540				
1273	1350	587				
1207	1228	590				
1200	1313	620				
1263	1340	653				
1233	1347	603				
1200	1317	550				
1147	1233	477				
1127	1183	433				
1173	1270	397				
1233	1307	410				
1233	1337	413				
1190	1300	477	1370	1483	770	— 10 to 2 —
1230	1300	550	1333	1420	670	— 10 thru 6 —

Ra 250 1373 1453 7/3



							100	½	H						
739 104 feet Bkmpr. Sat Light. - 964 alignment with 915 + 2107 m Sat Light - dir m 211K at 200 mil then run Surv 7.300	964	1207	1390	1433	643		1390	1437	577	1347	1371	567	1337	1363	
	965	1227	1183	1210	693		1227	1263	667	1243	1260	533	1250	1297	
Ra 1178 282 Bkmpr 8.099	966	1100	1223	1320	337		1233	1313	373						
Ra 1184 292 Bkmpr 7.936	967	1197	1267	1337	453		1247	1333	453						
Ra 1186 303 Bkmpr 8 315	968	1163	1267	1357	407		1293	1377	453						
Ra 815 (Mod) 273 7 403	969	1200	1300	1360	500		1327	1393	533						
Ra 1164 296 D 8 250	970	1093	1210	1293	370		1247	1337	480						
Bkmp of 8628 Except Thru 30 on 190 + 104 ft 8628 recommended adj 24 ft Lt 278 Bkmp 7.406	971	1170	1267	1337	340		1290	1373	623						
	972	1167	1267	1327	303		1287	1347	697						
Bkmp 8722 Except Thru 30 on 190 + 104 ft 246 Bkmpr 7.425	973	1140	1223	1307	303		1257	1350	573						
	974	1143	1250	1313	277		1247	1360	523						
Bkmp 9084 Except Thru 30 on 190 + 104 ft 6.900	975	1003	1170	1233	280		1197	1253	460						
	976	1020	1170	1230	277		1203	1260	417						

							100	1/2	ff	
739 10# f Run in 21K 2 Li										
bent Tub up 50 Runs change	977	1213	1227	1270	493		1230	1260	287	
to plain 21K	978	1207	1210	1257	427		1220	1257	283	
247Δ										
7.560										
Drop 979 Except	979	1223	1237	1273	420		1260	1287	313	
Coming Gold 1 Light 1 Heavy	980	1227	1253	1287	367		1267	1300	323	
7.534										
719 - 10# f Run in 21K 2 Low	981	1170	1167	1200	290		1160	1190	287	
Bend 50 Runs change to	982	1167	1150	1193	293		1173	1200	317	
21K run Li										
7.760										
Drop 981 -	983	1170	1177	1213	343		1200	1233	343	
Except Coming 1 Light 1	984	1200	1193	1230	353		1217	1240	347	
Heavy										
7.730										
739 - - 1036 Ruby	985	1207	1270	1323	457		1273	1367	660	
10# - 006 C	986	1200	1243	1293	483		1243	1317	597	
Take 6-12 Runs 35 9										
185Δ										
7.320										
739 Runs 036 Ruby	987	1240	1300	1343	467		1280	1357	557	
10# 004 Ruby	988	1230	1323	1370	513		1323	1390	663	
Take 4 Runs 35 9 -										
189Δ										
7.200										
729 10# -	989	1253	1323	1370	477		1337	1400	607	
Middle Tubing in Center of	990	1260	1303	1350	460		1300	1390	647	
Leaks -										
7.006										
Drop 987 -	991	1287	1357	1400	493		1357	1430	660	
Except Female Tube in	992	1250	1300	1357	490		1300	1373	640	
Center of Leaks -										
7.001										

Co

Cut

Long Tube –

~~10340~~ 10341	~~1704~~ 1738					
Dup 9177 – Except from 30 on 190 104 f	993	1193	1243	1307	367	
	994	1173	1220	1257	370	
7.370						
Dup of 9304 Except From 30 on 190 + 104 ff –	995	1113	1173	1303	370	
	996	1143	1213	1333	340	
8.225						
Dup of 9313 Except from 30 on 190 + 104 f	997	1130	1180	1297	363	
	998	1120	1193	1283	320	
7.540						
℄ 719 4 1/2 – Lot 157 Except part of Lot 270 + 25 Chains from Brick 420 104 4.4 21.7 250 Δ	999	1107	1127	1217	300	
	1000	1123	1143	1270	340	
7.782						
Dup 999 – Except 737 – 4.4 21.7 270 Δ	1001	1203	1207	1263	380	
	1002	1220	1237	1290	343	
7.967						
Ra 1187 104 – 263	1003	1147	1200	1257	330	
7.108						
Ra 1197 104 280	1004	1107	1127	1223	377	
7.763						
Ra 1199 104 – 250	1005	1157	1220	1253	467	
7.026						
Ra 1165 104 298	1006	1107	1170	1247	417	
8.290						
Ra 1200 104 ff 268	1007	1237	1283	1340	510	
7.474						

100	1/2	ff	
1243	1333	500	
1220	1310	453	
1190	1343	437	
1257	1383	457	
1220	1340	487	
1220	1323	480	
1133	1237	405	
1157	1243	487	
1267	1290	540	
1248	1317	593	
1180	1310	550	
1177	1257	550	
1258	1307	670	
1193	1283	470	
1287	1367	602	

Ent

Co

Co

Co

150

200

Co 1223 1300 400 1073 147

Co

Users Resurvey Map

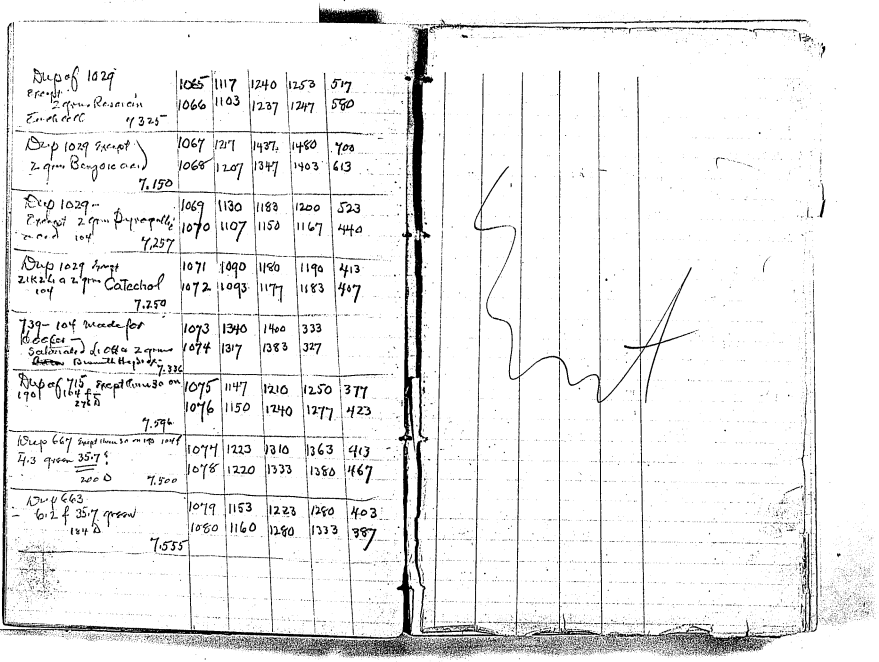
		50	½	H			
Dup of 9668 Except thru 20 on 190 104 ft 250 D 7.750	1008	1240	1270	1337	357	1317	1400	357
	1009	1213	1240	1313	340	1287	1383	400
Dup of 9674 except thru 20 on 190 104 ft 270 D 7.372	1010	1267	1280	1320	333	1320	1370	373
	1011	1257	1257	1300	380	1290	1347	450
Dup of 9700 except thru 20 on 190 104 ft 294 D 7.600	1012	1283	1226	1317	420	1340	1390	467
	1013	1283	1233	1293	507	1310	1363	550
Dup 9710 Except thru 30 on 190 104 ft 279 D 7.779	1014	1237	1323	1380	323	1343	1433	463
	1015	1237	1317	1366	330	1340	1423	480
Dup 9716 Except thru 30 on 190 104 ft 269 D 7.125	1016	1213	1300	1323	367	1283	1337	480
	1017	1207	1267	1307	344	1267	1340	480
Dup 9722 Except 30 on 190 104 ft 261 D 7.200	1018	1193	1223	1257	373	1273	1330	427
	1019	1197	1220	1253	377	1273	1323	370
Dup 9728 Except thru 20 on 190 104 ft 280 D 7.775	1020	1233	1270	1353	257	1273	1383	333
	1021	1230	1253	1323	257	1267	1367	330
Dup 9744 Except thru 20 on 190 104 ft 272 D 7.400	1022	1233	1270	1317	323	1277	1383	410
	1023	1227	1283	1333	273	1297	1371	400

Dup 9754 Except Rum 20 on 190 279 A 104 ft 7.900	1024	1220	1253	1330	300	1273	1397	407
	1025	1197	1250	1310	377	1278	1363	370
RA 1201 104 7.693	1026	1133	1279	1283	263	1267	1347	313
Dup of 245 Except Rum 20 on 190 104 ft 265 A 7.420	1027	1250	1301	1347	327	1340	1417	477
	1028	1260	1327	1383	333	1347	1420	417
739 104 — Rum 20 on 190 2 gpm Hydrogenmono 21K 2.4 7.150	1029	1057	1143	1170	270	1127	1143	420
	1030	1077	1133	1163	280	1087	1103	443
Dup 1029 Except 2 gpm Phenol 268 A 7.230	1031	1100	1167	1180	357			
	1032	1093	1150	1160	297			
Dup 1029 Except 2 gpm Phthalic Acid 268 A 7.250	1033	1243	1297	1343	383			
	1034	1240	1310	1367	443			
Continued	9660	400 1237	1397	740	Ent			
	9661	1197	1267	707				
" New Fe after 350 Rum	9662	1340	1493	740	Ent			
	9663	1193	1383	630				
New Fe after 300 # Rum	9871	350 1233	1423	607				
	9972	1193	1353	570				

Ent

Continued		350				
	9881	1227	1347	677		
	9882	1180	1383	690		
Dep 376 – 104 – on 190	1035	1250	1323	1380	403	
270	1036	1240	1297	1347	453	
7.550 –						
Dep 394 – 104 f on 190	1037	1110	1193	1247	523	
285	1038	1117	1207	1260	427	
8.100						
Dep 405 104 f on 190	1039	1090	1170	1240	553	
295	1040	1098	1153	1220	490	
8.200						
RA 1203 104	1041	1140	1233	1247	380	
265	1042	1137	1230	1253	350	
7.100						
RA 817 104 –	1043	1187	1273	1307	383	
264	1044	1190	1283	1317	393	
7.215						
6 by 17 th 300 Normal Trip rod 21 2 pm	1045	1217	1283	1333	390	
RA 1203 change th 21 morning	1046	1307	1243	1273	343	
drill, bad cg 1st 2 holes –						
267 7.400						

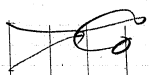
			50	½	RL
RA 1164 104f	1047	1137	1240	1310	457
4.3 f 23.89 – 2850	1048	1130	1243	1317	393
To test Treasury Roadway Cuts	1049	1140	1250	1320	380
	1050	1140	1250	1323	350
Roads by principle No 2 and	1051	1140	1250	1317	373
No Echum in Cuts - Somerville Roadway	1052	1150	1267	1330	337
Dumpfloor. – 8.151	average	1139.3	1250	1319	391
RA 1165 104f	1053	1160	1240	1290	370
4.3 24	1054	1133	1240	1307	410
	1055	1143	1247	1313	407
	1056	1143	1267	1320	350
	1057	1133	1253	1330	427
8.175	1058	1127	1237	1307	400
	average	1139.4	1247	1311	389
RA 1201 104	1059	1170	1280	1347	371
4.3	1060	1170	1297	1353	357
	1061	1160	1280	1347	350
	1062	1160	1270	1340	397
	1063	1153	1260	1330	340
7.659	1064	1170	1267	1327	343
	average	1163.8	1276	1341	361



Dup of 1029	1065	1117	1240	1253	517
Precipt 2 gms Resorcin	1066	1103	1237	1247	580
Emulsific 7.325					
Dup 1029 precipt	1067	1217	1437	1480	700
2 gms Benzoic acid	1068	1207	1347	1403	613
7.150					
Dup 1029	1069	1130	1188	1200	523
Precipt 2 gms Pyrogallic	1070	1107	1150	1167	440
104					
7.257					
Dup 1029 precipt	1071	1090	1180	1190	413
2 1/2 26 a 2 gms Catechol	1072	1093	1177	1183	407
104					
7.250					
7.39 - 104 made for	1073	1340	1400	333	
8 decks -	1074	1317	1383	327	
Solutions of 1.084 a 2 gms					
7.330					
Dup of 715 precipt 30 cm	1075	1147	1210	1250	377
1701 1.084 g 276 D	1076	1150	1240	1277	423
7.594					
Dup 667 precipt 30 cm 104	1077	1223	1310	1363	413
4.3 gms 35.7 g	1078	1220	1333	1380	467
200 D					
7.500					
Dup 663	1079	1153	1228	1280	403
6.2 g 35.7 gms	1080	1160	1280	1333	387
184 D					
7.555					

Dup 687 104 2nd sep	1081	1107	1200	1243	417
24 23.6	1082	1120	1183	1227	400
266 δ					
Sell 104 f used sep					
New Sale Lot 159					
parts of Lot 209 28					
& the same f C used as 104 f,					
which becomes 104 f					
Sa 1205 f 209 28.	1083	1077	1203	1283	413
24 23.8	1084	1060	1153	1237	390
259 8,100.					
Rec 1206 f Lot 159	1085	1077	1173	1267	347
24 23.9	1086	1090	1203	1283	367
263 – 7 540					
840.	1087	1110	1193	1233	520
24.2	1088	1103	1193	1237	487
253 δ. 7.165					
841 f 159 –	1089	1127	1200	1247	503
4 23.7	1090	1123	1173	1210	480
266 δ 7.390					
Sub for Exam 739 104 f	1091	1377	1384	363	
& LiOH 2 gms. $Bi(OH)_2$	1092	1387	1393	367	
267 7 406					

100	½	H
1200	1260	490
1177	1230	533



@ 739 104 f	1093	990	1177	1253	493	
21K 2 1.0M 2 Chloramil	1094	1003	1177	1227	497	
26½ 7.307						
Dup 1093	1095	1157	1153	1190		
Quinhydrone	1096	1160	1167	1190		
26½ 7.265						
Ra 842 f 159	1097	1147	1250	1283	403	
26½	1098	1150	1240	1270	333	
7.290						
Ra 843. f 159	1099	1173	1240	1273	340	
26½	1100	1187	1253	1280	320	
7.325						
Ra 739 - 159 f	1101	1270	1323	1367	317	
4.2 23.9	1102	1240	1260	1337	307	
26½	1103	1250	1290	1343	277	
	1104	1247	1290	1347	283	
21K 1½ 1.0M.	1105	1263	1280	1347	283	
7.350	1106	1250	1270	1350	297	
			1255	1346	294	
Dup 1101	1107	1267	1273	1317	300	
	1108	1270	1287	1330	270	
21K 1 1.0M	1109	1267	1260	1317	273	
	1110	1270	1257	1340	273	
	1111	1250	1240	1300	270	
	1112	1250	1200	1260	267	
			1243	1311	275	

				50	½	R
for Hamper.						
739 - 159f	1113	1263	1400	1427	367
21R 2 Bott.	1114	1267	1330	1367	820
265d 7,250					
Ra 1215 159f	1115	1233	1300	1320	290
	1116	1223	1283	1307	287
7.270					
Ra 847 159f	1117	1200	1293	1340	440
	1118	1213	1303	1357	460
270 - 7,200					
Ra 844	1119	1263	1313	1353	407
262 d 7570	1120	1260	1293	1340	407
Ra 846	1121	1247	1293	1340	403
267d 7,332	1122	1257	1330	1357	400
Made for Hamper 739 159f	1123	1230	1223	1247	253
269d	1124	1213	1267	1347	487
7,400					
Ra 1213	1125	1180	1193	1250	583
287 7,666	1126	1187	1193	1257	600
Ra 1207	1127	1123	1197	1243	493
305 8070	1128	1127	1197	1287	490
Ra 1210	1129	1150	1217	1253	556
289d 7,752	1130	1150	1217	1258	507

			53	52	RF
739 159 f 100 mcg Thrillium hydroxide dissolved in 5 mL EtOH 21K 2 L 0.01. 24 7440	1131 1132	1240 1253	1243 1253	1310 1290	620 543
Dcap 1133– 250 mcg Thrillium OH.	1133 1134	1238 1250	0 1123	0 1160	493 207
Dcap 1131 One gram Thrillium OH.	1135 1136	1260 1117	0 0	0 0	467 427
Dcap 1131 21 KOH only 4-1 gram Thrillium OH	1137 1138	1223 1183			
739 – f B_2 B_3 Thrillyppe implant of 20 organoid Lots 27 7 D 7440	1139 1140	1297 1293			
Fan-Hooper 739 159 f Sat 2 LOH. " 2 g B.OH.	1141 1142				
21K 2 L 2 B.OH.	1143 1144				
21 K –					
RQ 848 27 D 7,575	1145 1146	1197 1200			
RQ 849 – 159 f 27 D 7 450	1149 1148	1247 1233			

Ra 850 262 D 7415	1149 1150	1230 1213
Ra 851 159 f 264 D 7293	1151 1152	1220 1210
RA 1209 159 f 285 D 7.935	1153 1154	1127 1143
Ra 739 – 104 51K 20A f 2 grams Quinone 21K 2 LiOH " – something called Benzoquinone 7.070	1155 1156	1060 1067
$B_2 + B_3$ f treated 70 grams in 4500 cc saturated NH_4Cl containing 64 cc saturated $BiCl_3$ in NH_4Cl – warmed sol until f removed all the Bi by reduction dark steel grey wash dried [illegible] 415 24–739 287 D 21K 2 LiOH 7.640	1157 1158 1159	1400 1410 1373
Dup 1159 Except 21K 1 gram LiOH.	1160 1161 1162	1290 1287 1277
Dup 1159 Except 1/2 gram LiOH 21K –	1163 1164 1165	1277 1290 1290

739 - 770 from bot Bi-ft	1166	1250
4.4 24 729 - 3 M Runs	1167	1230
21K 2 Li change to plain	1168	1240
21K after 50 Runs — 265 A	1169	1243
	1170	1250
	1171	1263
7.500		
Dep 1166 6 M Runs	1172	1307
	1173	1320
21K 1 Li off.	1174	1307
after 50 runs change to plain 21K	1175	1310
	1176	1310
	1177	1307
7,500		
Dep 1164 159 ft	1178	1097
21K 2 Li off	1179	1100
after 50 runs put in plain	1180	1120
21K no Li	1181	1127
RA 1164 green road	1182	1080
	1183	1087
8.200		

Dup 1178 — 3 ppt from	1184	1087
Except 21K 1 gram 1086.	1185	1097
C.C. on girls. gc on 21K	1186	1087
coffee 50 Hnf.	1187	1080
	1188	1110
8.180	1189	1088
739 70 gm (at Gi f	1190	1237
21K2Li	1191	1237
2 gm Benzoic acid)	1192	1237
7.460		
Dup 1190 -	1193	1277
21K2Li	1194	1277
One gm Benzoic acid	1195	1277
739 grm 159 f	1196	1170
21K2Li 2 Benzoic a	1197	1183
	1198	1170
7.320		
Dup 1196 -	1199	1217
21K2Li One gram	1200	1237
Benzoic acid	1201	1217

739 — 159 f	1202	1230
	1203	1240
21K 2 Light —	1204	1230
after 50 Runs change	1205	1240
to plain 21K	1206	1230
7.370	1207	1250
Dup 1202	1208	1230
Except	1209	1250
21K 1 Light	1210	1243
after 50 Runs change	1211	1233
to plain 21K	1212	1250
	1213	1233
RA Ni Belt driven run)	1214	1217
10 april 22 09 fm	1215	1213
Subpri Zhpi · 159 f		
21K2.1. 7.860		
739 159 f	1216	1170
21K No Light	1217	1170
2 rpm Benzoic a 7.300		
Dup 1216	1218	1137
21K 2 Light —	1219	1127
3 rpm Benzoic a		
Dup 1216	1220	1093
21K 2 Light ·	1221	1090
4 rpm Benzoic acid		

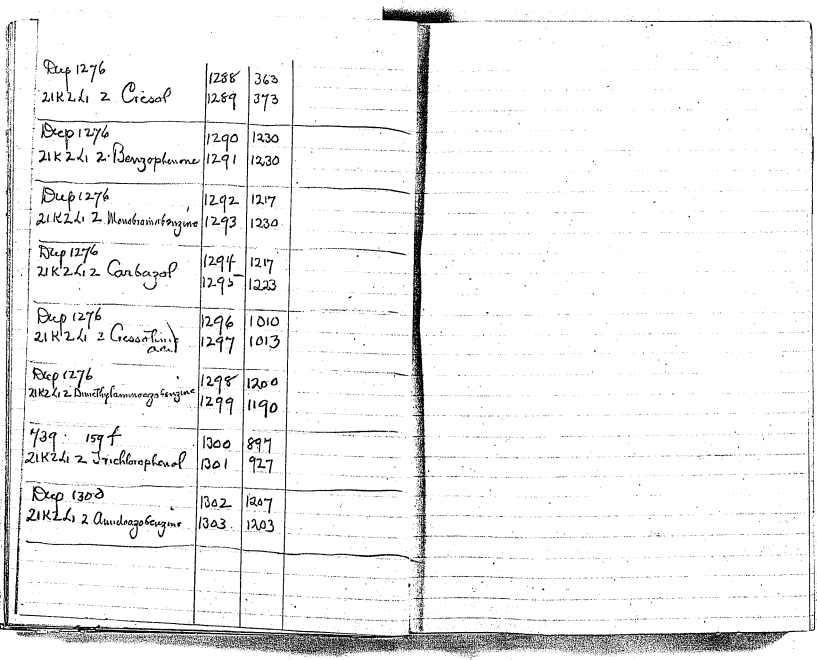
All flasks after 50 that changed to plain 21 KOH

Dup 1216 21K no Li 6 grms Benzoica	1222 1223	997 1020
Dup 1216 21K no Li 15 grms Benzoic a	1224 1225	833 823
739 159 f flask coated with arsenic oxide in Conc NH_4Cl-water 270 amps 21K 2 Li 21 Benz ~~per 50 flask~~ 7,440	1226 1227	1170 1170
Dup 1226 Except plain 21K	1228 1229	1217 1213
739 159 f 21K 2 Li 6H, 2 grm KClO4 7.360	1230 1231	1257 1260
Dup 1230 Except 21K 2 Li 2 Citric acid	1232 1233	1093 1090
Dup 1230 21K 2 Li 2 oxalic	1234 1235	1163 1167
Dup 1230 21K 2 Li 2 Benzoic	1236 1237	1230 1250

Dup 1230			
21K2Li 2 Nitrobenzophenone	1238	1258	
	1239	1253	
739 – 159 f			
21K2Li 2 Resorcin	1240	917	
	1241	910	
Dup 1240			
21K2Li 2 Succinic acid	1242	1087	
	1243	1163	
Dup 1240			
21K2Li 2 amylalcohol	1244	1170	
	1245	1173	
Dup 1240			
21K2Li 2 Acetone	1246	1023	
	1247	1007	
Dup 1240			
21K2Li 2 Ethylalcohol	1248	1080	
	1249	1087	
739 – 159 f			
21K2Li 2 Methylalcohol	1250	933	
	1251	937	
Dup 1250			
21K2Li 2 formaldehyde	1252	1100	
	1253	1090	

Dep 1250	1254	990
21K2Li 2 Salicylic acid	1255	990
Dep 1250	1256	1220
21K2Li 2 Cinnamic acid	1257	1227
Dep 1250	1258	1223
21K2Li 2 Nitrobenzene	1259	1213
Dep 1250	1260	1190
21K2Li 2 Acetanilide	1261	1210
Dep 1250	1262	1440
21K2Li 2 Picric acid	1263	260
Dep 1250	1264	1100
21K2Li 2 Tartaric acid	1265	1080
Dep 1250	1266	1227
21K2Li 2 Phenanthrene	1267	1223
Dep 1250	1268	1207
21K2Li 2 Chloroethylamine	1269	1210

Dup 1250	1270	1217	
21K2Li 2 Piperin	1271	1230	
Dup 1250	1272	1060	
21K2Li 2 Benzidine	1273	1037	✓
Dup 1250	1274	957	
21K2Li 2 Hydrochinon	1275	950	
739 1894	1276	1243	
21K2Li 2 K Sulfophenolate	1277	1223	
7.346			
Dup 1276	1278	1143	
21K2Li 2 Camphoric acid	1279	1143	
Dup 1276	1280	1240	
21K2Li 2 K Phenolate	1281	1257	
Dup 1276	1282	1017	
21K2Li 2 Rosolic acid	1283	1017	
Dup 1276	1284	1223	
21K2Li 2 Quinidine	1285	1243	
Dup 1276	1286	1213	
21K2Li 2 Quinine	1287	1187	



Dep 1276 21K2Li 2 Cresol	1288 1289	363 373
Dep 1276 21K2Li 2 Benzophenone	1290 1291	1230 1230
Dep 1276 21K2Li 2 Monobromotoluene	1292 1293	1217 1230
Dep 1276 21K2Li 2 Carbazol	1294 1295	1217 1223
Dep 1276 21K2Li 2 Cresotinic acid	1296 1297	1010 1013
Dep 1276 21K2Li 2 Dimethylaminobenzophenone	1298 1299	1200 1190
4/39 159 f 21K2Li 2 Trichlorophenol	1300 1301	897 927
Dep 1303 21K2Li 2 Anisidine	1302 1303	1207 1203

Dep 1300	1304	1157	
21K2Li 2 Dinitrotoluol	1305	1208	
Dep 1300	1306	1027	
21K2Li 2 Triacetylnitroguanidin	1307	950	
Dep 1300	1308	1227	
21K2Li 2 Trichloressigsäure	1309	1220	
Dep 1300	1310	1220	
21K2Li 2 Carbontetrachlorid	1311	1273	
Dep 1300	1312	1243	
21K2Li 2 Monomitronaphtalin	1313	1250	
139 – 159 f	1314	1183	
21K2Li 2 phosphorsaures Blei	1315	1180	
Dep 1314	1316	1223	
21K2Li 2 Benzonaphtol	1317	1210	
Dep 1314	1318	1183	
21K2Li 2 Nitrosodiäthylanilin	1319	1180	

		300 rate		750		50 Net							
						300 Rate		750 rate		300R		750R	
		1 V.	½	1 Volt	750 rate ½ V	1 V.	½ V	1 V	½	1 V	½	1	½
Service of 5 gm. new ½ of amount Hg - 6 times -													
2% Hg	4553	1910	2750	50	100	1635	2235	825	1312	1530	2130	162	250
	4554	1920	2775	37	100	1700	2375	950	1437	1545	2135	425	575
3% Hg	4555	1980	2905	62	125	1845	2470	1275	1937	1720	2510	1037	—
	4556	1950	2870	62	125	1740	2530	1025	1537	1640	2450	25	112
4% Hg	4557	1990	2950	825	1212	1845	2715	1312	2000	1665	2460	962	1425
	4558	1950	2895	262	412	1800	2600	1125	1700	1645	2375	206	312
5% Hg	4559	1915	2840	1037	1537	1860	2700	1212	1875	1610	2310	775	1162
	4560	1950	2890	1050	1550	1845	2670	1325	2012	1610	2285	850	1287
6% Hg	4561	1883	2790	1150	1787	1854	2780	1262	1987	1636	2295	950	1412
	4562	1925	2840	1150	1775	1880	2700	1412	2112	1630	2365	987	1537
7% Hg	4563	1915	2840	1312	1937	1885	2770	1580	2262	1600	2315	837	1287
	4564	1945	2930	1300	1937	1850	2730	1350	2125	1600	2300	825	1250
8% Hg	4565	1895	2780	1387	2050	1845	2685	1475	2237	1530	2206	837	1300
	4566	1885	2800	1312	1975	1840	2660	1487	2212	1560	2260	900	1387
9% Hg	4567	1835	2685	1337	1987	1800	2610	1425	2187	1505	2145	937	1187
	4568	1865	2735	1287	1912	1780	2620	1425	2150	1600	2350	962	1537
10% Hg	4569	1835	2675	1300	1937	1760	2475	1450	2212	1560	2235	950	1462
	4570	1774	2550	1250	1875	1720	2515	1362	2087	1485	2100	812	1237

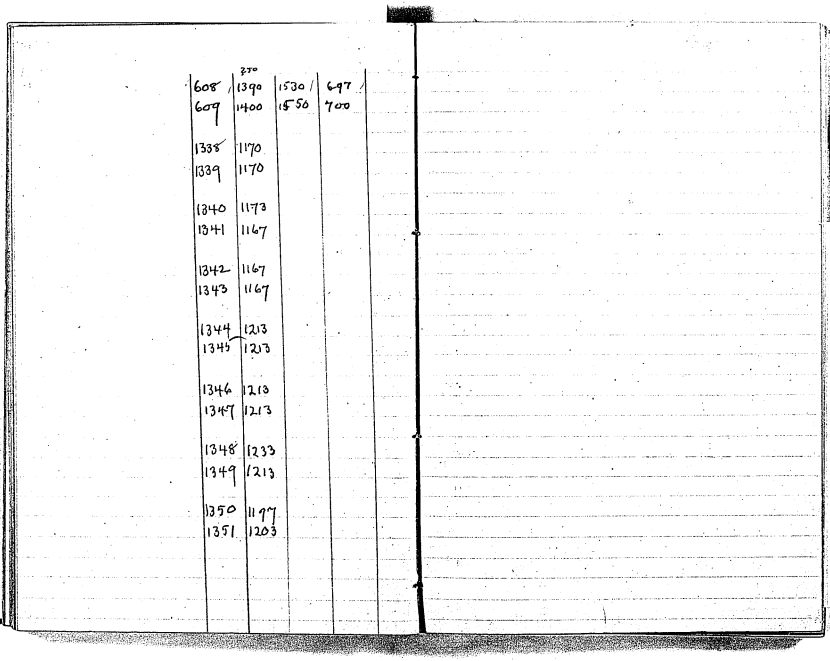
Dcq 1314	1320	1210
21K2L1 2 Antiangiogenic	1321	1223
Dcq 1314	1322	1210
21K2L1 2 Na Stannate	1323	1207
Ra 852 159f	1324	1190
21K2L1 7.680	1325	1187
Ra 853. 159f 278D 7.630	1326	1207
	1327	1187
Ra 854 159f 280 7.575	1328	1180
	1329	1207
Ra 855 159f 7.490	1330	1220
	1331	1207
Ra 856 159f 7.500	1332	1180
	1333	1207
739 – 159f	1334	1147
21K2L1 2 Lithium acac	1335	1147
	1336	947
	1337	973

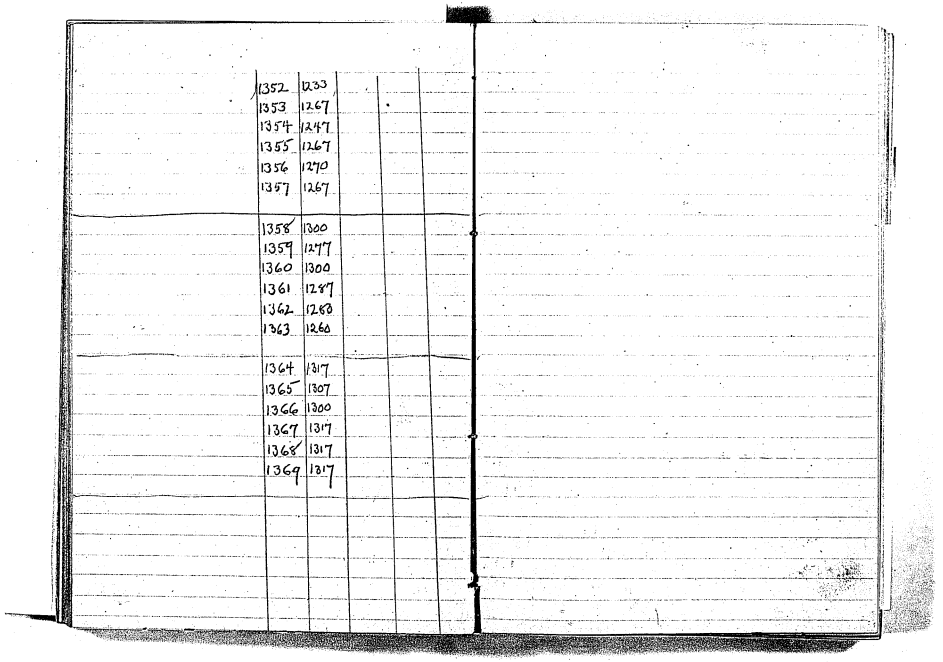
		650	½	Real	
Cold Test Cent	8807	1323	1387	760	Exit
	8808	1333	1410	748	
		500			
	9598	1250	1397	1647	
	9599	1247	1373	1100	
	9600	1227	1347	1077	
		400			
	9685	1133	1243	543	
	9686	1097	1243	590	
	9687	1167	1270	660	
		400			
	9742	1177	1297	920	
	9743	1143	1267	780	
Cold Test Hot Cent	8809	1267	1460	980	Exit
	8810	1093	1307	833	
	9628	1100	1487	510	
	9629	1020	1320	567	
	9630	1117	1353	560	
		350			
Cold Hot Hot Cent	9676	1137	1300	667	
	9677	1100	1300	617	

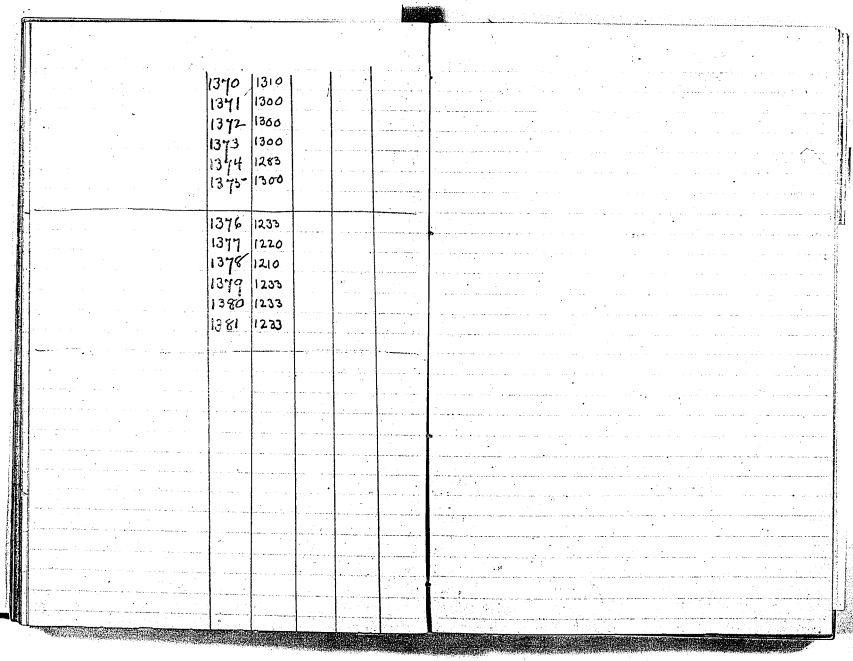
	V 300	1/2	750	1/2
4571	1680	2550	1162	1750
4572	1705	2500	1162	1750
Continued from 506 Book 565	1271	1413	660	End
566	1210	1433	617	
567	1237	1420	598	
568	1230	1433	593	
569	1287	1523	620	
570	1223	1443	517	
571	1410	1458	1257	
572	1360	1413	1290	
573	1290	1463	587	
574	1227	1407	663	
575	1220	1433	580	
576	1193	1410	600	
577	1233	1510	590	
578	1293	1503	643	
579	1437	1483	1150	
580	1457	1503	1164	

	Bonnets		750 Rule	
	1	1/2	1	1/2
1710	2515	1412	2150	
1716	2520	1425	2162	

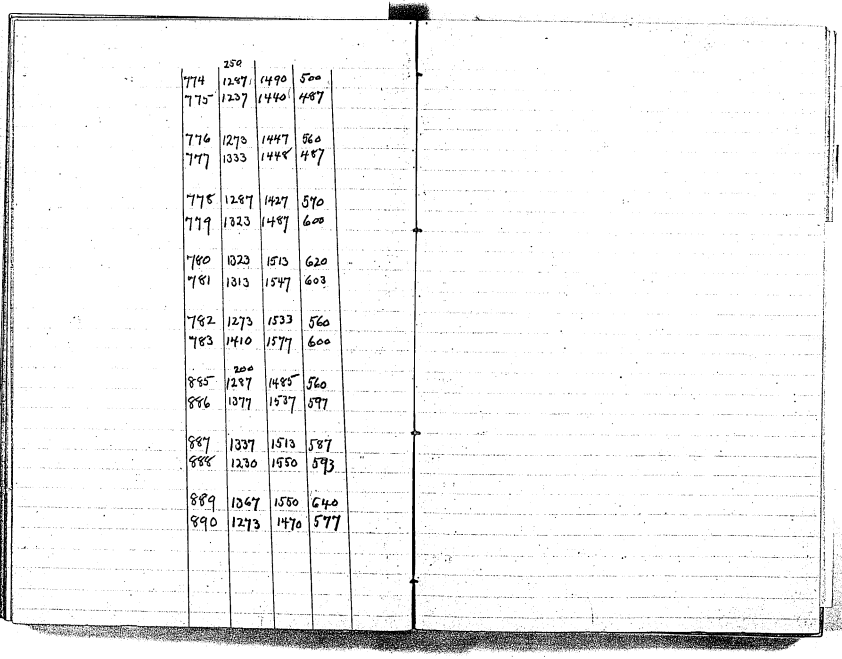
	250			
581	1260	1487	798	
582	1233	1407	703	
583	1223	1457	623	
584	1257	1427	613	
585	1247	1463	667	
586	1250	1450	600	
		Bad ck		
587	1357	1440	1137	
588	1393	1443	1093	
589	1223	1397	750	
590	1233	1373	753	
591	1297	1473	783	
592	1283	1460	693	
593	1257	1533	700	
594	1317	1510	793	
		Good.		
595	1460	1500	1097	
596	1423	1470	1170	
606	1400	1557	717	
607	1380	1507	640	


370
608 1390 1530 697
609 1400 1550 700
1338 1170
1339 1170
1340 1173
1341 1167
1342 1167
1343 1167
1344 1213
1345 1213
1346 1213
1347 1213
1348 1233
1349 1213
1350 1197
1351 1203


1352 1233
1353 1267
1354 1247
1355 1267
1356 1270
1357 1267
1358 1300
1359 1277
1360 1300
1361 1287
1362 1280
1363 1260
1364 1317
1365 1307
1366 1300
1367 1317
1368 1317
1369 1317

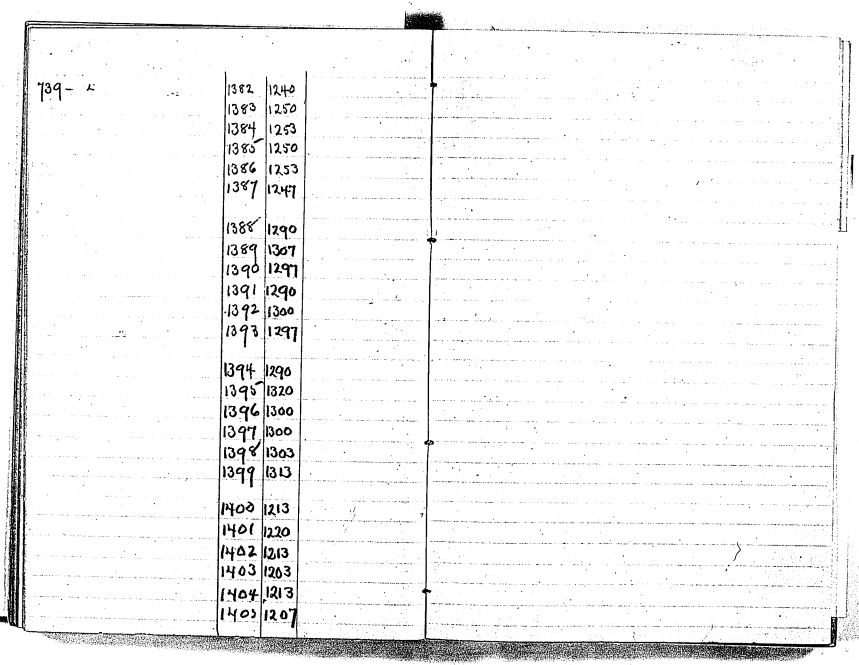


1370	1310
1371	1300
1372	1300
1373	1300
1374	1283
1375	1300
1376	1233
1377	1220
1378	1210
1379	1233
1380	1233
1381	1233



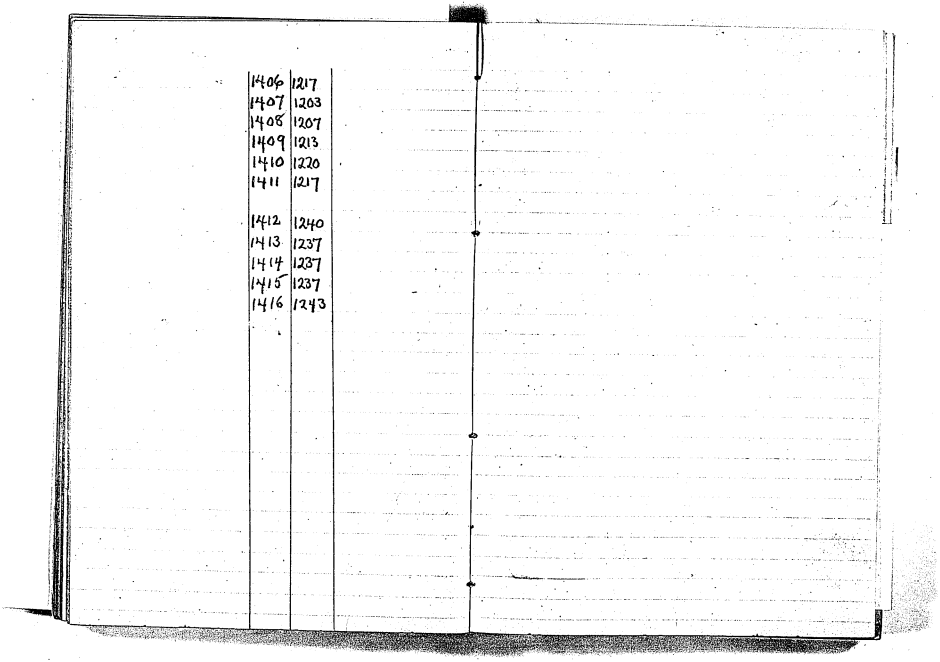
	250			
774	1297	1490	500	
775	1237	1440	487	
776	1273	1447	560	
777	1333	1448	487	
778	1287	1427	590	
779	1323	1487	600	
780	1323	1513	620	
781	1313	1547	603	
782	1273	1533	560	
783	1410	1577	600	
	200			
885	1297	1485	560	
886	1377	1537	597	
887	1337	1513	587	
888	1230	1550	593	
889	1367	1550	640	
890	1273	1470	577	

936	1273	1443	573	Co
937	1243	1423	523	
938	1303	1500	557	Co
939	1300	1430	503	
940	1307	1453	550	Co
941	1306	1430	493	
942	1270	1363	553	
943	1230	1447	513	
944	1270	1430	563	
945	1223	1430	577	Co
946	1197	1423	573	
947	1147	1327	563	
948	1147	1243	523	
949	1197	1343	483	
950	1240	1406	427	
951	1280	1437	394	

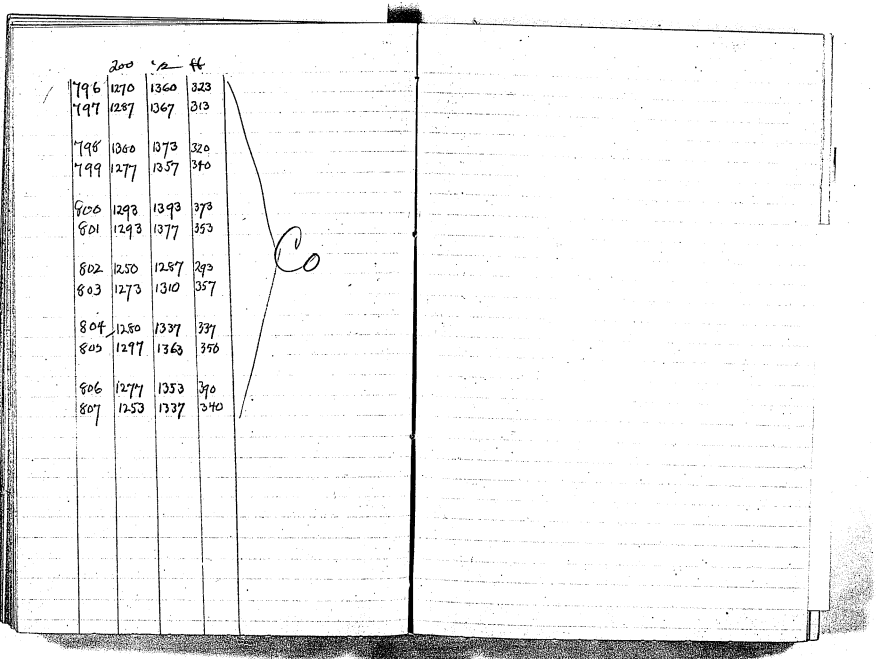


739 -

1382	1240
1383	1250
1384	1253
1385	1250
1386	1253
1387	1247
1388	1290
1389	1307
1390	1297
1391	1290
1392	1300
1393	1297
1394	1290
1395	1320
1396	1300
1397	1300
1398	1303
1399	1313
1400	1213
1401	1220
1402	1213
1403	1203
1404	1213
1405	1207



1406	1217
1407	1203
1408	1207
1409	1213
1410	1220
1411	1217
1412	1240
1413	1237
1414	1237
1415	1237
1416	1243



	200	'r	ft	
796	1270	1360	323	
797	1287	1367	313	
798	1360	1373	320	
799	1277	1357	340	
800	1298	1393	373	
801	1293	1377	353	
802	1250	1287	293	
803	1273	1310	357	
804	1280	1337	337	
805	1297	1363	350	
806	1277	1353	370	
807	1253	1337	340	

Co

* 723 - other 719-2 h

	Coil	50	100	150	200	250	300	350	
9662	1135	1212	1240	1260	1259	1271	1255	1222	*
9871	1145	1170	1250	1250	1263	1192	1163	1213	*
9881	1150	1183	1226	1252	1228	1203	1193	1203	
9887	1148	1271	1355	1399	1361	1353	1322	1405	*
9892	1147	1270	1333	1410	1420	1367	1400	1440	*
9893	1161	1228	1241	1318	1349	1275	1283	1290	
9895	1154	1281	1398	1230	1345	1252	1223	1245	*
9899	1100	1200	1278	1241	1295	1249	1237	1265	*
9901	1156	1215	1240	1133	1283	1155	1111	1128	
9903	1127	1227	1271	1173	1290	1250	1237	1299	*
9935	1128	1217	1179	1148	1186	1123	1165	1176	
9941	1153	1285	1277	1223	1240	1251	1228	1217	*
9947	1167	1280	1270	1208	1226	1209	1235	1255	
9949	1153	1305	1320	1351	1369	1290	1297	1316	*
3A	1125	1261	1278	1305			1270	1273	*
9883	1202	1135	1290	1279	1219	1345	1310		
9885	1050	1168	1208	1196	1198	1210	1163		

Tests with dif nos flake not ox or H-

400	450	500
	1211	
1166		
1136		
1226		
1353		
1205		
1156		
1160		
1070		
1163		
1081		
1122		
1223		
1296		
1226		

723 are the good ones. 719, that gone to 350 are low most of 719 CO on 250 Run

* are 723 those not marked 719-2 h

Duplicating old greens with 104f next 0x or H.

	Cold	50	100	150	200	
8628	1222	1386	1137	914		
Dup with 104	1148	1176	1243	1285		
8722	1207	1334	1066	912		
Dup 104f	1158	1225	1290	1325		
9082	1093	1138	1152	1128		
104f	1036	1168	1241	1273		
9172	1177	1320	1329	1321	1249	
104f	1183	1258	1305	1351		
9304	1260	1354	1383	1167		
104f	1147	1183	1260	1347		

Original

	1170	1171	1174	1178	1181	1182
H_2O	92.5	92.45	91.77	92.67	92.2	92.18
NaOH	0.55	0.5	0.41	0.21	0.04	—
Na_2CO_3	0.78	0.59	0.54	0.42	0.41	0.15
Na_2SO_4	2.41	2.61	2.75	2.74	2.94	3.29
NiOH.	3.81	3.85	4.53	3.96	4.41	4.38
	Boiled Down					
H_2O	84.5	84.04	81.76	83.58	84.32	83.57
NaOH	1.47	1.77	1.05	0.54	0.11	—
Na_2CO_3	0.96	0.88	0.72	0.79	0.71	0.28
Na_2SO_4	5.15	5.14	6.33	6.13	7.22	7.84
NiOH	7.92	8.17	10.14	8.96	7.64	8.31
			Dried			
H_2O	0.32	0.33	0.73	0.74	0.42	0.09
NaOH	10.43	10.22	6.03	3.35	0.93	0.39
Na_2CO_3	5.46	4.53	4.84	4.93	4.46	1.04
Na_2SO_4	35.34	33.58	25.23	29.74	32.36	40.42
NiOH.	48.45	51.74	63.17	61.24	61.83	58.06
	100	100	100	100.00		
	125 Litres NaOH. 105 Litres $Ni.SO_4$	115 Litres NaOH 105 Litres $Ni.SO_4$	105 Litres NaOH 105 Litres $Ni.SO_4$	95 Litres NaOH 105 Litres $Ni.SO_4$	85 Litres NaOH 105 Litres $Ni.SO_4$	75 Litres NaOH 105 Litres $Ni.SO_4$
Load wt	7.752	7.911	8.278	8.099	7.445	6.069
4th Run	1173		1175		1150	

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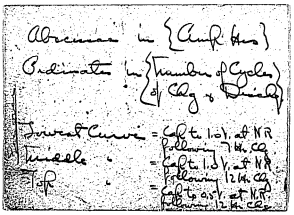
Abscissa in {Crank Hours}
Ordinates in {Number of Cycles of Alg. & Diesel}
Diesel Curve = Left to 1.05 V. at N.R. following 7 Hr. Cy.
Wheels " = Left to 1.05 V. at N.R. following 12 Hr. Cy.
Alg. " = Left to 0.5 V. at N.R. following 12 Hr. Cy.

[ITEM FOUND IN BOOK]

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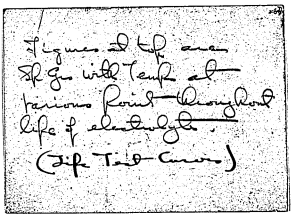


Notebook, N-11-11-00

	No	Cold
719– 3 grms metallic Bismuth fastened To each Tube	8805	1170
4:3 24h. No2 f acid treat	8806	1170
21K2.4 7702		
Edison No 77 No 3 acid f. heavy RUN COLD	8807	1040
	8808	1047
21K2.4 BISMUTH 7508		
Edison 78. 3f	8809	1190
RUN COLD	8810	1150
21K2.4 BISMUTH 7354		950
	9076	
	9078	
	9077	
	9142	1220
	9143	1223
Edison 31 which is 8 77 heating a little H2O pieces in parts, 3f.	8833	1047
	8834	1103
21K2.4 BISMUTH 7532		
Edison 109 soak½h in Conc $BiCl_3$ in Acetone	9116	1157
	9117	1157
21K2.4 7585		
Reg tubes 4 f OX 708 soaked 20 min Conc $BiCl_3$ in H_2O no wash boiled KOH. washed freeK dried before using KOH.	8087	937
	8088	943
	8089	943

50	100	½	Hot	150	½	Hot
1326	1250	1490	570	1293	1473	580
1303	1293	1433	583	1253	1467	553
1417	1417	1440		1510	1547	1070
1400	1397	1447		1463	1483	777
1300	1333	1397		1373	1443	891
1280	1313	1363		1333	1397	943
950						
920	1120	1443				
963	1117	707				
1293	1317	1377	1100	1300	1393	1124
1293	1320	1367	1107	1287	1373	1133
1293	1243	—	640	1317	1400	933
1333	1217	—	867	1353	1513	1090
1320	1367	1487	890	1333	1473	1033
1350	1350	1467	967	1360	1483	1037
	1150			1080		
	1150			1110		
	1117			1093		

200	½	Hot	250	½	Hot	300	½	Hot
1157	1490	—	1183	1367	633	1160	1397	633
997	1457	—	1183	1310	633	1180	1360	630
1410	1437	980	1370	1410	890	1440	1483	830
1407	1430	1128	1353	1390	1073	1427	1467	1050
1317	1367	1107	1293	1367	917	1320	1393	1023
1310	1363	1010	1260	1317	857	1277	134	880
1247	1370	1167	1253	1378	1113	1230	1343	1103
1230	1363	1167	1200	1323	1103	1220	1340	1083
1260	1367	817	1217	1377	920	1253	1457	1103
1330	1457	900	1213	1460	1027	1177	1520	1153
1410	1510	1107	1200	1450	1010			
1410	1533	1047	1213	1230	967			
1047	1090	367	983	1063	333	1243	1363	590
1060	1090	423	1007	1093	377	1253	1400	543
1077	1097	347	1073	1127	320	1243	1370	850

Navigation 21K 2.10K —

350	½	Hot	400	½	Hot	450	½	Hot
1463	1527	980	1293	1380	1150	1263	1347	780
1327	1390	1067	1253	1327	1093	1213	1290	817
1310	1413	860				1157	1263	880
1250	1343	850				1067	1157	767
1240	1347	1063	1153	1290	1067	1147	1297	920
1223	1333	907	1113	1253	933	1142	1267	780
1237	1447	1133	977	1437	850	1230	1310	1093
1087	1447	1071	900	1467	880	1287	1383	1060
1263	1343	983				1117	1233	937
1333	1437	1027				1233	1347	977
1363	1477	1137	1100	1340	1027	993	1223	
1340	1460	643	860	1367	1017	833	1507	
1280	1403	1087	933	1473	1183	1000	1470	

800	½	Hot	550	½	Hot	600	½	Hot
1303	1383	893	1330	1367	833	1273	1347	713
1293	1373	913	1280	1240	863	1220	1287	1243
1173	1283	850	1140	1240	793	1083	1190	817
1100	1197	770	1077	1157	733	1010	1090	710
1093	1353	587						
1087	1350	550						
1053	1313	777						
×								
×			1090	1250	1063			
			1037	1187	867			
					850			
1210	1280	1053	1180	1230	1043 ×	1090	1177	853
1297	1397	1100	1267	1390	1090	1200	1343	830
1133	1247	923	1090	1230	960			
1250	1413	927	1260	1399	1057			
1190	1310	947	1290	1433	1240	1330	1457	1083
1253	1370	757	1207	1343	1080	1293	1437	1043
1283	1527	1030	1347	1457	1247	1390	1517	1057

Goy cwPD 96 Hot

650	½	Hot	700	½	Hot	750	½	#
1323	1387	760	1230	1303	1000	1237	1323	1033
1333	1410	740	1230	1307	1017	1247	1340	938
1267	1460	980	1357 ×	1480	1180	1293	1423	980
1093	1307	833	1300	1403	1223	1250	1373	1027
			1067	1187	833			
			1327	1433	1047			
			1113	1230	890			
			1345	1450	943			
1313 ×	1433	1027	1293	1390	820	1267	1377	947
1313	1480	1230	1307	1430	883	1310	1447	1010
1373	1493	1133	1353	1480	897	1360	1473	1033

B S IR

	800	1/2	H	850			900	1/2	H	950	1/2	H	1000	1/2	H	1050			
																clay fr. cIV	.9		
8807	1117	1210	987	1110	1287	1070	1187	1283	820	1133	1240	983	997	1087	903	1113	1153		
8808	1110	1190	990	1050	1260	903	1177	1280	903	1107	1210	980	1123	1210	1050	1088	1113		
													1087 Rem 9 cuts						
8809	1037	1363	1053				967	1300	1093	853	1130	950	987	1013	733	Set aside			
8810	927	1203	1060				1000	1243	1050	843	1130	993	883	933	677				
	1100 Rem 9 cuts & 1 chute			1150			1109 Rem												
8807	933	1020	573	1060	1120	647	1117	1163	753										
8808	960	1033	637	1040	1070	687	1093	1133	717										
8809	1113	1180	760	1050	1160	767													
				1073	1167	713													
8087	1310	1420	1077	1160	1277	790	1113	1220	1053	1020	1127	940	1060	1193	1063	850 x5	963	674	
8088	1360	1497	1090	1423	1533	1057	1180	1363	1110	1133	1287	1033	1200	1330	1113	1110	1193	970	
8089	1393	1583	1060	1450	1537	1007	1243	1310	1063	1133	1200	1003	1207	1297	1107	1077	1140	867	
					Slightly short														

	No	Cold	50	½	H	100	½	H	150	½	H
Greenley 22 f not ox, had 6e crumpled by hand not Burley enough	9660	1123	1253	1277	483	1260	1300	453	1253	1357	580
	9661	1150	1183	1210	420	1183	1240	407	1177	1300	547
21K2 Li 7524											
Greenley 22 f not ox 7723 ½ wash not filt percolation f commercial England 21K2 Li 7658	9662	1170	1267	1300	457	1317	1360	427	1337	1477	547
	9663	1100	1157	1200	383	1163	1220	350	1153	1320	410
723- 24 f (mud) over Y Burley not ox Beans apart in hopper- its heavy part put back in sep- discards became alle last up 7517	9871	1130	1160	1200	317	1240	1333	460	1250	1367	467
	9872	1160	1180	1217	297	1260	1347	463	1250	1357	457
28 f not ox 719- very poor Burley + heavy Beans against whatever value for the hand picked, Best weight back in sep + who discarded for being small grines 7541	9881	1147	1183	1230	373	1230	1320	437	1267	1337	650
	9882	1153	1183	1220	377	1223	1317	447	1237	1320	663
Dup 9881 723 Corrupted 7758	9883	1207	1230	1273	337	1300	1380	370	1290	1380	560
	9884	1197	1237	1283	360	1280	1317	333	1267	1363	470
29 f not ox or H. 723. 7796	9887	1143	1233	1283	400	1300	1407	333	1347	1427	533
	9888	1153	1310	1357	527	1410	1507	447	1450	1540	663
30 f not ox or H. 723 7810	9892	1157	1270	1317	380	1330	1440	417	1410	1480	687
32 f not ox or H. 719 7565	9893	1163	1240	1283	390	1303	1417	490	1380	1440	803
	9894	1160	1217	1260	387	1280	1377	510	1307	1393	813
29 f not ox or H. 719 Corrupted 7561	9885	1093	1187	1223	430	1233	1313	397	1213	1283	487
	9886	1067	1150	1187	427	1183	1293	363	1180	1267	507

No	200	½	H	250	½	H
9660	1267	1367	490	1230	1353	750
9661	1200	1300	473	1183	1297	733
9662	1350	1467	477	1360	1480	663
9663	1167	1340	370	1183	1367	547
9871	1267	1410	610	1217	1340	533
9872	1260	1393	500	1167	1360	557
9881	1243	1363	523	1210	1333	667
9882	1213	1353	543	1197	1303	663
9883				1323	1450	793
9884				1367	1503	787
9887	1333	1487	523	1326	1440	673
9888	1393	1650	667	1387	1493	727
9892	1420	1540	603	1367	1480	693
9893	1380	1510	700	1890	1390	743
9894	1317	1457	550	1260	1380	683
9885	1200	1323				
9886	1187	1360				

300	½	H	350	½	H	400	½	H
1190	1347	710	1210	1413	617	1237	1397	740
1193	1310	680	1200	1370	603	1197	1267	737
1320	1443	727	1287	1563	587	1340	1493	440
1190	1370	603	1177	1423	557	1193	1383	630
1197	1433	517	new Fe					
1130	1410	490						
1217	1373	593						
1170	1357	630						
			1333	1493	703	1327	1493	457
			1373	1507	703	1303	1427	717
1273	1533	650	1363	1560	807			
1370	1617	737	new Fe 1447	1613	803			
1400	1553	770	1440	1620	853	1353	—	900
1293	1440	817	1307	1477	823			
1273	1430	743	1273	1458	767			
			1203	1330	697	1220	1283	687
			1183	1313	650	1200	1283	650

No	450	½	H	500	½	H
9660						
9661						
9662						
9663						
9871	1247	1433	693	1263	1410	727
9872	1177	1360	600	1227	1343	593
9881	1207	1373	620	1253	1353	717
9882	1150	1367	667	1227	1343	713
9883	1323	1483	897	1213	1467	740
9884	1287	1470	883	1160	1473	723
9887	1267	1590	700	1330	1520	763
9888	1317	1620	763	1393	1557	647
9892	1397	1650	787	1413	1593	867
9893	1243	1497	730	1253	1417	787
9894	1227	1440	680	1257	1397	747
9895	1210	1353	800	1090	1327	690
9896	1170	1337	760	1050	1300	657

3 Rings

Shell could not see if he came yet from Enoch

550	½	H	600	½	H	650	½	H
1233	1380	757	1190	1450	883	927	1363	1053
1223	1343	743	1193	1383	777	1057	1283	1060
1347	1447	777	1320	1517	810	1210	1513	740
1207	1347	747	1193	1410	773	1097	1373	683
1267	1493	817	1153	1450	663	1167	1477	680
1210	1417	763	1110	1353	620	1153	1410	700
1203	1407	833	1107	1310	653	1123	1343	747
1263	1383	850	1093	1367	690	1133	1440	810
1233	1527	767	1303	1597	933	1253	1597	783
1183	1523	730	1263	1567	907	1053	1553	823
1313	1577	807	1170	1513	720	1117	1590	710
1370	1576	840	1190	1527	717	1110	1593	733
1400	1613	953	1268	1660	707	1300	1713	770
1227	1430	900	1057	1380	653	1073	730	
1240	1443	767	1057	1357	657	1023	623	
1077	1367	583	1120	1360	807	957	1327	693
960	1350	667	1023	1343	760	860	1267	632

2 Rings
2 Rings
2 Rings

	700	t/2	H	750	t/2	H,	800	t/2
9660	960	1350	707	990	1217	720	750	1077
9661	1027	1373	673	1047	1350	700	897	1233
9662	1240	1567	740	1080	1437	750	900	1350
9663	1110	1433	647	1133	1440	700	1000	1313
9871	1067	1407	627	1213	1143	676	1123	1257
9872	1063	1297	520	1133	1243	573	1083	1263
9881	1047	1253	643	1083	1157	644	1073	1147
9882	1033	1323	700	1117	1260	624	1067	1110
9883	1350	1547	660	1047	1167	533	920	1020
9884	1280	1510	627	1097	1167	540	920	1020
9887	1217	1603	930				1273	1487
9888	1210	1503	967				1053	1237
9892	1440	1710	1123	1163	1623	793	1310	1527
9893	1133	1483	857	960	1353	747	1070	1217
94	1097	1397	753	967	1307	683	1100	1253
9895	1170	1273	627	1130	1233	720	1097	1163
86	1150	1273	643	1080	1280	667	1093	1143

H	850	t/2	H	900	t/2	H
660						
680						
663						
637						
747	1050	1107	700			
747	1037	1097	733			
577	990	1023	643			
550	1080	1057	643			
653	1150	1410	727	1053	1143	780
653	1043	1193	747	970	1077	633
657	887	1187	733	890	920	670
566	890	1020	713	850	933	663
570	960	1057	657	920	1080	670
720						
700						

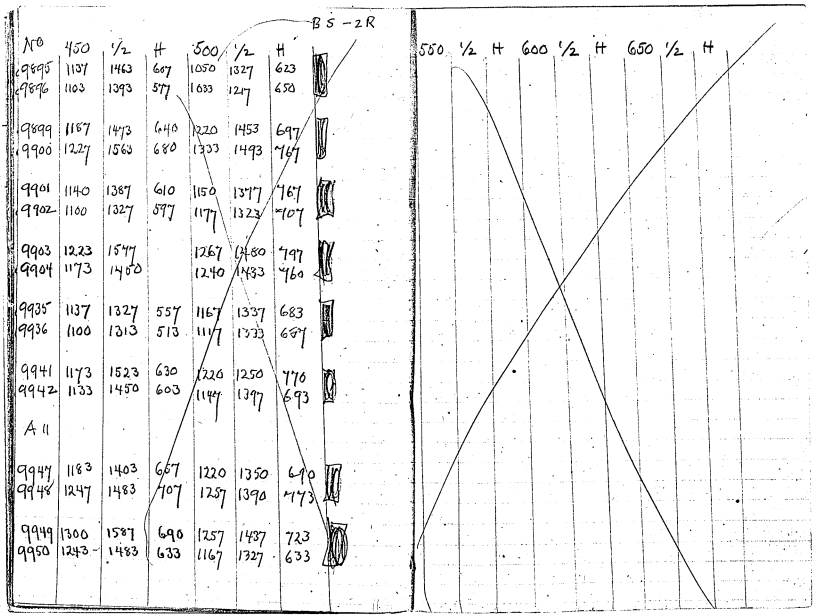
all CO but Mounds
data output w/ separately
in HOF by Holland
saved for future
regression
Opt

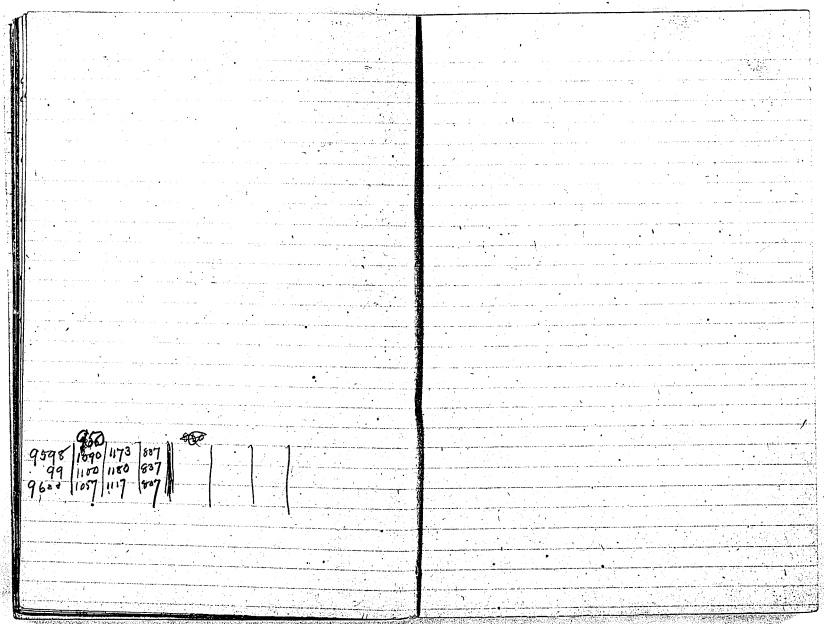
	JRO	Col
723 32f not ox or H—	9895	1147
21K2L1 7746	9896	1160
34f 723— f not ox or H.	9899	1100
7830	9900	1100
36f not ox or H. 719- 7590	9901	1160
	9902	1153
36f not ox or H 723 7879	9903	1147
	9904	1107
34f Not ox or H cuvley 719 7914	9935	1133
	9936	1123
38f not ox or H. 723 7888	9941	1153
	9942	1153
30f OX +lum H. 723	A 11	1220
40f not ox or H. gutts lot heavy flake mt 719 8058	9947	1177
	9948	1157
Dup 9947 723 7984	9949	1163
	9950	1143

50	½	H	100	½	H	150	½	H
1280	1327	367	1380	1467	520	1200	1420	350
1283	1323	390	1447	1487	500	1260	1460	313
1210	1260	377	1290	1387	430	1260	1400	447
1190	1243	362	1267	1377	387	1223	1400	473
1227	1273	363	1253	1397	485	1233	1400	533
1203	1253	347	1227	1363	373	1167	1350	510
1257	1300	340	1303	1413	360	1267	1430	527
1197	1250	320	1240	1357	353	1253	1383	517
1227	1317	497	1197	1423	453	1163	1397	527
1207	1303	460	1160	1343	440	1133	1370	513
1297	1377	436	1307	1437	447	1263	1440	517
1273	1367	367	1247	1403	407	1183	1393	420
1300	1377	320	1327	1440	557	1310	1410	743
1263	1323	353	1250	1370	447	1183	1317	433
1297	1360	350	1290	1390	470	1233	1380	573
1303	1367	343	1307	1423	447	1333	1450	610
1307	1377	350	1333	1430	503	1376	1490	707

№	200	½	H	250	½	H
9895	1330	1520	567	1237	1433	563
9896	1360	1500	473	1267	1463	633
9899	1290	1437	497	1237	1410	527
9900	1300	1467	526	1260	1427	600
9901	1260	1430	533	1193	1367	610
9902	1187	1390	503	1117	1323	600
9903	1290	1500	520	1263	1450	623
9904	1290	1443	530	1237	1377	548
9935	1200	1400	480	1127	1343	543
9936	1173	1397	480	1120	1350	570
9941	1257	1473	467	1263	1420	697
9942	1223	1400	403	1240	1400	667
A 11	1253	1410	·650			
9947	1253	1350	540	1190	1343	640
9948	1280	1380	483	1227	1373	700
9949	1337	1467	507	1286	1457	707
9950	1400	1500	500	1300	1450	680

300	½	H	350	½	H	400	½	H
1240	1467	667	1263	1540	773			
1207	1467	743	1227	1540	748			
1237	1460	"	1257	1490	723			
1237	1397	"	1273	1523	727			
1140	1407	590	1173	1393	660			
1053	1347	613	1083	1340	663			
1237	1517	670	1300	1580	750			
1240	1437	690	1297	1487	720			
1177	1410	697	1183	1440	697			
1153	1400	667	1170	1403	627			
1237	1493	697	1217	1557	690			
1220	1457	653	1217	1480	660			
983	1157	543						
1223	1353	733	1247	1440	787			
1247	1397	677	1263	1427	807			
1300	1467	623	1333	1500	803			
1293	1453	557	1300	1483	763			


BS -2R
No 450 ½ H 500 ½ H
9895 1137 1463 667 1050 1327 623
9896 1103 1393 577 1033 1247 650
9899 1187 1473 640 1220 1453 697
9900 1227 1563 680 1333 1493 767
9901 1140 1387 610 1150 1377 767
9902 1100 1327 577 1177 1323 707
9903 1223 1547 1267 1480 797
9904 1173 1450 1240 1433 760
9935 1137 1327 557 1167 1337 683
9936 1100 1313 513 1117 1333 687
9941 1173 1523 630 1226 1250 776
9942 1133 1450 603 1141 1397 693
A 11
9947 1183 1403 667 1220 1350 690
9948 1247 1483 707 1257 1396 773
9949 1300 1587 690 1257 1437 723
9950 1243 1483 633 1167 1327 633
550 ½ H 600 ½ H 650 ½ H


950
9595 1090 1173 887
99 1100 1180 897
9620 1057 1117 847

	No	Col	50	½	H	100	½	H	150	½	H
734 – soaked 20 min conc BiCl$_3$ NH$_4$Cl all free liquid poured out then dried + put in KOH. heated several hours then washed decantation till nearly free of Cl to Cl test 8213 21K2Ki 1044	525	1140	1350	1363	983	1247	1247	1097	1317	1377	820
	526	1147	1293	1343	1053	1237	1253	1137	1290	1333	1123
	527	1147	1300	1327	1023	1243	1263	1173	1293	1437	1090
723 – flake not ox or H. treated in hot conc sol BiCl$_3$ NH$_4$Cl. steel color washed with NH$_4$Cl 6589 green	475	1197	1393	1557	707	1367	1563	933	1427	1657	1007
	476	1210	1410	1557	727	1400	1573	960	1463	1660	1043
	477	1190	1390	1537	543	1417	1577	983	1463	1627	1000
Rep 475 719	478	1220	1400	1563	670	1400	1577	1107	1387	1613	1017
	479	1217	1393	1573	643	1410	1580	1113	1400	1647	1057
	480	1233	1440	1577	590	1430	1597	1100	1467	1660	1110
Sample 106 f 20A stock: cleaned Crock propeller not ox or H. bulkiest ever had had changer stirrer	553	1090	1167	1250	300	1163	1270	373	1233	1367	573
	554	1100	1177	1253	287	1163	1283	403	1263	1390	546
	555	1087	1173	1263	260	1163	1273	407	1248	1377	488
Rep 553 719	556	1180	1173	1250	230	1133	1247	377	1193	1303	450
	557	1093	1150	1240	260	1120	1223	377	1157	1280	477
	558	1107	1167	1243	243	1133	1240	347	1157	1313	413
734 Af – not ox or H 723 green	559	1150	1217	1277	283	1197	1270	390	1253	1353	1771
	560	1123	1180	1250	260	1160	1260	333	1207	1317	422
	561	1127	1180	1250	290	1167	1287	333	1233	1347	387
9598 1127 1293 1120 770 1030 1207 993 1253 99 1180 1347 1173 1107 1307 867 00 1170 1310 1167 1007	565	1150	1303	1350	300	1320	1383	347	1293	1407	507
	566	1107	1253	1313	303	1263	1357	390	1237	1393	533

IR	200	½	H	250	½	H
525	1350	1403	933	1413	1467	1483
526	1153	1230	1197	1320	1367	1010
527	1320	1383	1120	1293	1340	1050
475						
476						
477						
478	1456	1633	1073	1420	1603	1150
479	1483	1667	1130	1423	1623	1160
480	1490 1490	1740	1140	1507 1490	1687	1060
553	1237	1433	367	1290	1433	373
554	1270	1463	447	1340	1493	457
555	1210	1417	467	1273	1423	467
556	1187	1347	490	1193	1340	500
557	1183	1307	513	1143	1317	507
558	1163	1329	550	1183	1348	510
559	1207	1347	430	1167	1313	490
560	1167	1330	603	1153	1327	503
561	1197	1353	627	1153	1340	553
565	1307	1383	447	1277	1413	660
566	1283	1377	653	1210	1433	617

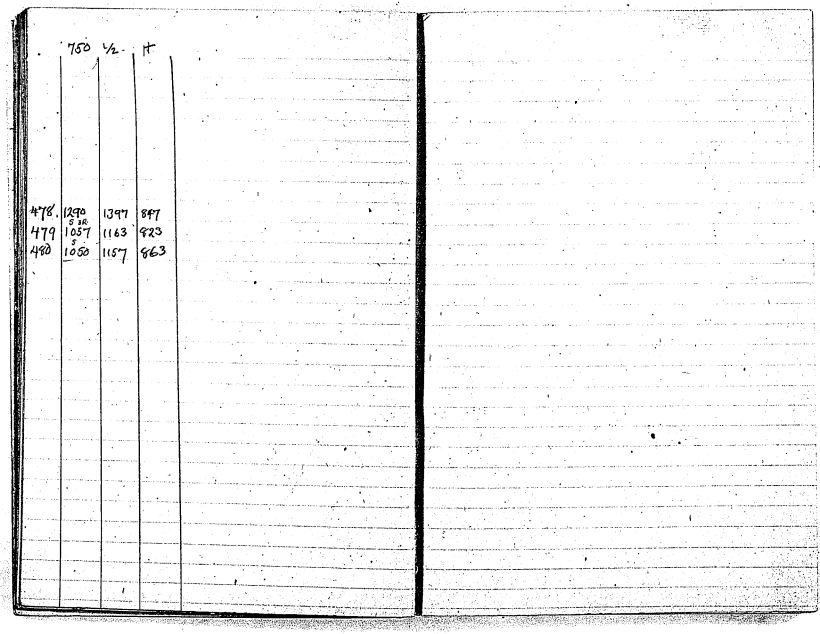
1R

300	½	H	350	½	H	400	½	H
1327	1373	977	1453	1523	747	1260	1340	1113
1390	1430	743	1450	1510	800	1247	1317	1120
1377	1417	663	1450	1517	820	1200	1260	1157
1437	1623	950	1490	1663	1050	1457	1643	1187
1467	1637	1090	1500	1683	1027	1477	1653	1148
1537 1490	1693	1007	1550	1693	1053	1507	1670	1174
		9676	960	1073	713			
		9677	970	1093	903			

1R

	450	½	H	500	½	H	550	½	H
525	1187	1177	1080	1237	1307	1110	1020	1093	1057
526	1137	1286	1067	1277	1353	957	1007	1067	1053
527	1133	1200	1047	1233	1367	1127	1020	1087	1093
475									
476									
477								3R	
478	1340	1523	1163	1267	1467	1117	1277	1493	1067
479	1373	1527	1160	1267	1490	1200	1243	1450	1200
480	1383	1567	1267	1287	1567	1193	1310	1600	1323
553									
554									
555									
556									
557									
558									
559									
560									
561									
565									
560									

	•9 600			•9 650	½	H	700			
1150	1200	506	1343	1413	886					
1150	1190	604	1360	1433	907					
1200	1243	607	1303	1370	957					
1147			1355							
1153	1407	1090	1263	1367	800	1257	1343	797		
1143	1353	1127	1200	1307	686	1117	1207	893		
1143	1487	1083	1417	1497	906	1233	1323	893		
			1293			1202				

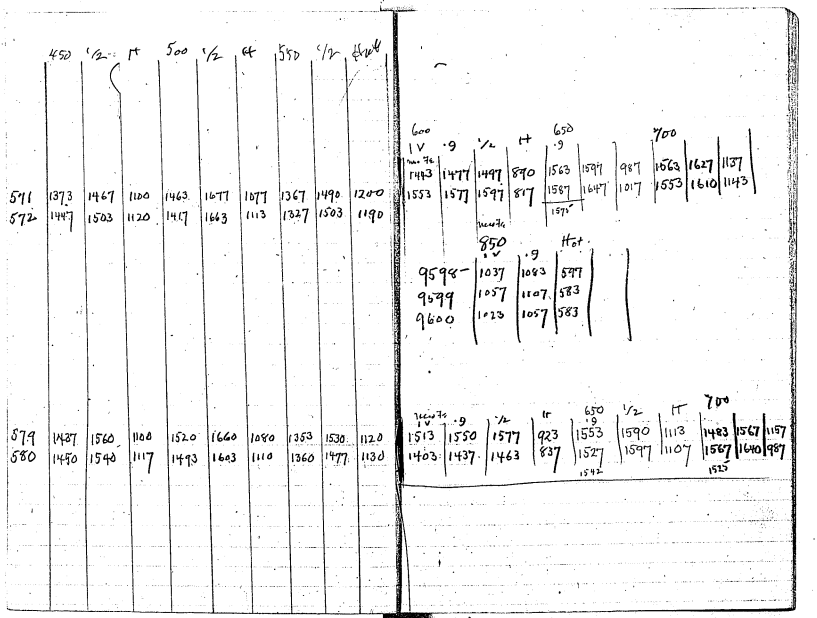

750 ½ H
478 1290 1397 897
479 1057 1163 823
480 1050 1157 863

719 - 20 A sheared f free acid 21K3 Li chym-clio twice at 1/4 rate then Change soft to 21K2 Li run 3 times reg rate Then put on hot most barley flake yet	567 568	1083 1103
Dup 567 723	569 570	1103 1070
Dup of 565 but use RA 734 green Coulenning 16.8% Bi 7955	571 572	1183 1177
718 - sheared f 100 20 A 1st 2 chym-clio in 21K 4 Li 1/4 reg rate then Change to 21K2 Li	573 574	1133 1117
Dup 573 719	575 576	1097 1093
Dup 573 723	577 578	1070 1070
Dup 573 16.8% Bi green	579 580	1200 1193
718 sheared f 106 1st 2 chym 21K6 Li 1/4 rate then change to 21K2 Li	581 582	1127 1133
9685 550 86 957 1137 633 86 967 1123 560 87 1017 1153 637	583 584	1120 1147

50	1/2	H	100	1/2	H	150	1/2	H
1237	1317	287	1263	1350	300	1237	1391	537
1250	1340	287	1263	1350	350	1243	1400	583
1233	1330	317	1287	1363	353	1273	1423	577
1260	1310	320	1243	1333	333	1213	1387	540
1467	1523	643	1500	1527	513	1497	1530	1227
1393	1423	900	1287	1320	730	1400	1430	1140
1267	1323	483	1287	1343	501	1273	1393	687
1253	1323	453	1263	1333	447	1243	1367	663
1223	1343	397	1263	1360	413	1237	1393	610
1237	1330	367	1263	1343	370	1233	1383	637
1217	1320	390	1263	1353		1273	1427	677
1217	1320	397	1270	1367		1253	1427	683
1447	1497	667	1433	1470	660	1443	1477	173
1446	1537	630	1427	1453	677	1450	1477	1183
		644						
1260	1333	546	1280	1357	683	1273	1420	970
1267	1333	467	1287	1360	583	1277	1390	690
		644			633			
1267	1373	343	1287	1393	490	1250	1417	607
1267	1363	343	1300	1397	477	1277	1430	600

	200	½	H	250	½	#	
567	1290	1413	433	1237	1420	593	
568	1290	1413	490	1230	1433	593	
569	1333	1453	483	1287	1523	620	
570	1280	1413	487	1223	1443	517	
571	1417	1443	962	1410	1453	1257	
572	1400	1427	750	1360	1413	1290	
573	1320	1420	577	1290	1463	587	
574	1280	1390	553	1227	1407	663	
575	1280	1400	473	1220	1433	580	
576	1257	1390	470	1193	1410	600	
577	1323	1457	523	1233	1510	590	
578	1327	1477	527	1293	1503	643	
579	1313	1360	1013	1437	1483	1150	
580	1297	1323	1020	1457	1503	1160	
581	1303	1473	677	1266	1487	793	
582	1303	1417	610	1233	1407	703	
583	1290	1427	563	1223	1457	623	
584	1310	1427	550	1257	1427	613	

300	½	H	350	½	H	400	½	H
1477	1507	1127	1267	1273	1077	1260	1320	1160
1437	1467	1143	1270	1283	1250	1260	1327	1100
1507	1550	1170	1277	1373	1330 1100	1343	1453	1110
1477	1507	1167	1397	1433	1480 1570	1387	1450	1113


450 1/2 H 500 1/2 H 550 1/2 H
571 1373 1467 1100 1463 1677 1077 1367 1490 1200
572 1447 1503 1120 1417 1663 1113 1327 1503 1190
600 1V .9 1/2 H 650 .9 700
1483 1477 1497 890 1563 1597 987 1563 1627 1137
1553 1577 1597 817 1587 1647 1017 1553 1610 1143
1575
850 1V .9 Hor.
9598 1037 1083 577
9599 1057 1107 583
9600 1023 1057 583
879 1487 1560 1100 1520 1660 1080 1353 1530 1120
580 1450 1540 1117 1493 1603 1110 1360 1477 1130
1513 1550 1577 923 1553 1590 1113 1483 1567 1167
1403 1437 1463 837 1527 1597 1107 1567 1640 987
1542 1525
650 700

	No	Cond	50	½	H	100	½	H	150	½	H
723– Sheared f 106 20 A block 1st 2 chgs in 21K 6 Li ¼ regrate after Change to 21K 2 Li	585	1143	1283	1377	403	1326	1403	493	1293	1450	637
	586	1100	1243	1353	417	1287	1383	497	1250	1427	550
Dup 585 Except 16.8%. Brownish green	587	1283	1467	1497	1067	1413	1453	673	1420	1453	1100
	588	1297	1457	1487	1030	1353	1397	837	1430	1453	1073
718 Sheared f 106. chg + wash twice in 21K 8 Li ¼ regrate then change to 21K 2 Li Run 24g	589	1133	1277	1340	670	1291	1353	907	1267	1400	627
	590	1133	1267	1330	630	1273	1347	593	1256	1377	623
Dup 589 719	591	1163	1313	1417	517	1350	1453	627	1357	1483	587
	592	1133	1293	1397	503	1327	1447	623	1297	1453	633
Dup 589 723	593	1117	1287	1447	543	1340	1447	493	1291	1493	627
	594	1163	1323	1436	723	1400	1480	538	1383	1523	693
Dup 589 16.8% Bi green Best	595	1320	1446	1463	993	1400	1433	671	1443	1467	1060
	596	1320	1446	1463	1033	1433	1473	667	1443	1477	1100
723 Sheared f1 not ox or H. 3 mlg f each Dump 24 green 293 D 6.730 green	606	1240	1313	1353	430	1400	1463	503	1400	1510	657
	607	1233	1306	1330	423	1363	1407	560	1363	1457	650
Dup 606 – 2 Mlg f each dump 309 D 6.941 green	608	1257	1350	1393	453	1400	1453	590	1363	1473	647
	609	1260	1350	1383	410	1410	1463	660	1460	1573	537

	200	1/2	H	250	1/2	ft	300	1/2	ft
585	1323	1467	580	1267	1463	667			
586	1303	1433	499	1250	1458	600			
587	1260	1303	1050	1357	1410	1137			
588	1323	1353	933	1393	1443	1093			
589	1287	1400	523	1223	1397	750			
590	1287	1317	607	1230	1373	753			
591	1360	1467	557	1297	1473	783			
592	1353	1467	560	1283	1460	693			
593	1353	1520	573	1257	1533	700			
594	1380	1583	687	1317	1510	793			
595	1287	1317	1083	1460	1500	1097	1493	1530	1123
596	1320	1350	977	1423	1470	1170	1440	1500	1183
606	1437	1537	517	1400	1557	717	1400	1477	657
607	1410	1497	517	1380	1507	640	1390	1443	647
608	1433	1530	490	1390	1530	697	1403	1490	713
609	1433	1553	493	1400	1550	700	1397	1463	773

	350	1/2	H	400	1/2	half	450	1/2	H
	1330	1330	1013	1340	1443	1117	1483	1613	1127
	1290	1413	753	1303	1443	1133	1337	1660	1120
	1357	1470	787	1303	1543	640	1200	1563	707
	1363	1427	803	1340	1560	660	1333	1497	767
	1350	1433	827	1363	1527	660	1227	1513	733
	1317	1427	830	1313	1510	700	1233	1520	770

525 700 1/2 1167 half 967
526 1150 1243 913
527 1193 1257 1003

found out color at 525

550	½	H	600	½	H	650	½	H	700	½	H	750	½	H.
595	1517	1600	1233	1360	1550	1070	1547	+	+	1683	1414	577	1597	1640	1047			
596	1460	1607	1207	1263	1410	1217	1540			1563	1620	997	1471	1533	1133			
										1623								
606	1223	1630	810	1083	1460	690	1220	1433	667	907	1287	693	887	1113	690			
607	1327	1557	827	1220	1587	723	1330	1453	710	1057	1313	728	987	1133	703			
608	1193	1533	793	1090	1497	657	1217	1403	633	887	1130	647	807	977	643			
609	1223	1560	773	1003	1370	637	1143	1300	573	573	997	613	790	880	633			

Made fastened 2 copies Burnett to Each Tube +

Looks as if new iron gauze unit would be best but when Bi. is used

All flake from 774 not ox or Thrift — Cold

Dup of 862% except f 104	774	1150
4.3 23.9 Ra 104	775	1147
7.240		
Dup 8722 except f 104	776	1150
	777	1167
Ra 1070 7.301		
Dup 9062 except f 104	778	1033
	779	1040
Ragg Pag and Nat'l — Cal) Ra 1080B Dup 9172 except 104 f 780 781 1193 1173 Ra 725A. 7.216		
Dup 9304 except f 104	782	1127
725 Y. 8016	783	1167
739 - 104 f	885	1247
21 K 2 Li Rim Reg 7.424	886	1250
739 - flake 50% smaller	887	1247
Square - Rim Reg	888	1253
21 K 2 Li		
739 Cowley flakes	889	1267
21 K 2 Li Rim Reg	890	1247
739 - (Bi cortex) flake fragments Ca Co3 NH4Cl trace of chalk worked scale and free obsidian dried in naturally dilute 7500	891 892	

50	½	H	100	½	H	150	½	H
1190	1267	873	1260	1343	420	1307	1423	490
1167	1243	313	1227	1317	433	1263	1387	490
1193	1273	337	1247	1333	447	1287	1403	553
1257	1327	346	1333	1400	467	1363	1447	640
1157	1223	263	1223	1270	367	1263	1367	593
1180	1240	307	1260	1310	447	1283	1363	413
1287	1333	370	1317	1380	430	1370	1457	633
1230	1277	400	1293	1363	427	1333	1420	637
1157	1267	433	1223	1347	437	1297	1460	593
1210	1317	530	1297	1417	500	1397	1523	677
1297	1347	410	1333	1417	513	1271	1410	573
1333	1380	470	1377	1463	600	1380	1487	487
1267	1343	433	1343	1433	573	1310	1443	563
1297	1353	437	1350	1450	513	1316	1467	590
1267	1360	410	1346	1467	493	1330	1467	567
1247	1310	387	1280	1413	447	1273	1440	510
1433	1537	690	1450	1600	1250	1467	1600	1077
1440	1540	833	1423	1583	1183	1433	1587	1200

	200	1/2	H	250	1/2	H
774	1290	1443	590	1287	1490	500
775	1250	1400	560	1237	1440	487
776	1280	1407	557	1273	1447	560
777	1313	1467	640	1333	1483	613
778	1257	1371	597	1287	1427	570
779	1277	1383	687	1323	1487	620
780	1313	1460	720	1333	1513	620
781	1277	1407	667	1313	1547	603
782	1250	1460	640	1273	1533	560
783	1380	1537	623	1410	1577	600
885	1287	1483	560	1390	1507	780
886	1377	1537	597	1437	1510	760
887	1337	1513	587	1423	1527	737
888	1230	1850	593	1423	1567	777
889	1367	1560	640	1470	1593	933
890	1273	1470	577	1400	1530	847
891	1413	1547	1137	1397	1530	1270
892	1417	1547	1183	1373	1537	1267

300	1/2	H	350	1/2	H	400	1/2	H
1383	1483	820	1287	1397	690			
1357	1450	807	1233	1397	747			
1357	1460	847	1297	1443	720			
1423	1503	887	1327	1470	830			
1337	1423	763	1277	1397	653			
1383	1487	723	1360	1463	837			
1393	1513	717	1360	1450	833			
1383	1510	750	1353	1443	880			
1310	1547	770	1353	1500	857			
1463	1523	873	1477	1597	960			
1360	1490	783	1363	1550	677	1337	1567	800
1400	1510	790	1387	1580	700	1320	1627	777
1393	1537	743	1327	1553	640	1297	1610	663
1390	1553	720	1300	1628	660	1320	1633	710
1393	1610	793						
1356	1490	750						
1343	1590	910	1323	1550	1167	1350	1520	923
1443	1580	950	1423	1540	1133	1400	1537	997

	1450	½	H	500	½	H	550	½	H
885	1317	1630	810	1233	1640	787	1440	1547	740
886	1327	1700	830	1213	1640	788	1433	1533	713
887	1327	1690	780	1210	1660	710	1480	1610	630
888	1267	1717	737	1170	1610	683	1387	1567	647
891	977	1427	920	1217	1303	604	1310	1400	793
892	1250	1440	1290	1237	1323	653	1380	1463	857

	600	½	H				
884	1347	1497	827	1217	1380	803	Might take some input from Hellmuth for requirements
886	1307	1473	740	1100	1333	757	
887	1363	1523	717	990	1047	637	
888	1053	1200	693	993	1050	640	
891	1373	1460	816				
892	1427	1516	1303				

		Cold	50	½	H	100	½	H	150	½	H
719 4-thio 10% f- 26 gm Lot Bromethaf	901	✓	1273	1430	433	1277	1537	533	1363	1537	863
1300 cc MHycf 12 cc saturated Sod Bisulphite											
hot chg ½ rate livicy clin rate req	902		1323	1440	390	1303	1500	510	1300	1443	607
in 21K2Li. 719 840											
Drop 901 Except room Reg chgs d in rate	903	1230	1330	1430	433	1330	1533	760	1393	1570	900
21K2Li 26 gm lot Bif	904	1237	1350	1450	493	1340	1533	780	1393	1573	693
Use 718 4 24 gm lot Li Iodide	905	✓	1360	1437	407	1353	1457	557	1400	1493	967
26 gm lot ½ rate livice clin req rate	906		1380	1503	543	1420	1607	723	1397	1580	1027
21K2Li then run req 718 418											

	200	½	Med.	250	½	Ht	300	½
901	1883	1560	1067	1370	1583	1007	1417	1590
902	1333	1550	940	1323	1557	977	1383	1580
903	1407	1603	913	1357	1583	1050	1443	1590
904	1407	1583	957	1357	1583	1043	1467	1660
905	1433	1517	994	1417	1537	907	1340	1567
906	1490	1537	1113	1417	1577	877	1350	1557

	Ht	350	½	Ft	400	½	Rt	•		
9										
910		1370	1603	873	1353	1583	963	1130	1527	1050
950		1367	1633	1127	1360	1640	1163	1110	1570	1080
953		1447	1570	1133	1367	1607	1227	1233	1547	1170
953		1433	1610	1137	1387	1610	1223	1233	1550	1130
913		1370	1560	1100	1383	1587	1123	1180	1470	1045
913		1227	1433	1083	933	1567	1067	1170	1483	1213

	9			9					
	500	1/20	ft	550	1/2	ft			
901	1357	1460	742	1360	1483	793	1333	1457	790
902	1417	1493	858	1393	1497	903	1357	1480	800
903	1400	1497	854	1367	1473	873	1310	1423	817
904	1400	1493	858	1380	1477	952	1333	1423	850
905	1387	1473	731	1360	1457	790	1317	1423	800
906	1327	1417	731	1293	1403	783	1277	1370	803

		Cold
739-104 Chge 1/2 rate Twice — Discharge reg rate hot. After each 1/2 rate change — Run in 21K 2 Li Dont change Sol run 6 days hot	915 916	X
739-104 Chge 1/2 rate Twice, after Each 1/2 rate chge discharge hot reg rate all in Saturated Acet. Change Sol to 21K run hot 6 days	917 918	
Dup 915 with 26 gm Lot Bismuth flake	919 920	
Dup 917 with 26 gm Lot Bismuth flake	921 922	
Dup 915 Except 26 gm Lot Bi. Use oxide that passes 100 mesh and 104- 4.4 7.430	923 924	
739- 50% 104 f 50% old Lot Bi flake 7.275	925 926	
Dup 925 75% 104 25% old Bi f	927 928	
739- flake treated with Nitric Acid 2) 2 hrs in little free acid hot 7.472	929	
739-104 f dump green then f+ gives one temp requiring 1/2 the total temps then chg 1/2 rate in 21K 2 Li deter. Change Sol run 6 days hot 7.200	932 933	

50	1/2	H	100	1/2	H	150	1/2	H
1330	1410	680	1347	1460	510	1373	1500	690
1340	1440	680	1330	1437	527	1360	1487	670
1407	1443	640	1410	1447	333	1407	1410	343
1407	1443	643	1413	1443	317	1393	1430	350
1410	1530	947	1467	1603	730	1423	1477	867
1453	1547	923	1420	1620	933	1423	1487	907
1397	1443	850	1400	1447	433	1347	1391	—
1417	1450	870	1403	1460	447	1370	1420	—
1427	1523	833	1440	1587	917	1487	1727	817
1420	1503	887	1446	1630	924	1490	1700	810
1367	1447	455	1397	1497	533	1457	1553	450
1350	1457	547	1420	1563	613	1473	1627	777
1427	1397	547	1353	1463	493	1390	1460	537
1390	1367	633	1377	1483	497	1460	1557	587
1310	1447	573	1360	1497	327	1377	1577	393
1360	1423	497	1337	1471	510	1380	1493	567
1347	1447	500	1387	1466	490	1380	1510	543

	200	½	H	250	½	H	300	½	H
915	1390	1453	683	1377	1513	770	1320	1483	627
916	1350	1483	700	1360	1490	760	1263	1443	593
917	1360	1390	673	1300	1410	773	1197	1370	590
918	1360	1397	663	1313	1427	770	1220	1367	627
919	1513	1560	557	1443	1573	867	1347	1647	1117
920	1500	1543	590	1453	1613	960	1380	1616	1060
921	1210	1260	290	[illegible]					
922	1253	1290	350						
923	1513	1613	1140	1453	1610	1073	1323	1573	1133
924	1493	1590	1180	1446	1600	957	1323	1550	1163
925	1493	1570	877	1387	1467	807	1350	1603	767
926	1530	1597	1033	1437	1627	860	1367	1683	880
927	1413	1480	723	1373	1543	733	1283	1540	680
928	1460	1533	743	1420	1583	717	1183	1600	703
929	1433	1520	600	1433	1627	583	1333	1570	621
932	1397	1453	640	1387	1580	560	1260	1447	600
933	1400	1470	597	1357	1550	600	1260	1447	547

	350	½	H	400	½	H	450	½	H
	1328	1580	733	1353	1627	800	1153	1530	743
	1327	1580	690	1327	1580	773	1157	1520	727
	1177	1427	697	[illegible]					
	1163	1423	753						
	1380	1687	1193	1427	1687	1283	1200	1597	1133
	1216	1593	1107	1333	1650	1233	1130	1600	1050
	1267	1337	1063	[illegible]					
	1227	1477	1070						
	1317	1723	967	1367	1733	1110	1217	1730	1093
	1357	1630	1060	1370	1690	1160	1267	1623	1120
	1250	1610	693	1333	1643	843	1167	1660	737
	1140	1597	680	1183	1577	743	1077	1533	710
	1300	1593	640	1317	1693	810	1243	1693	690
	1206	1543	633	1262	1543	790	1080	1483	650
	1160	1537	630	1177	1513	743	1050	1413	590

	500 ½ H.			550 ½ H.					
915	1327	1447	690	1373	1410	787	1257	1290	720
916	1303	1407	574	1273	1410	760	1220	1310	723
917									
918									
919	1440	1620	877	1280	1390	830	1243	1333	893
920	1417	1510	686	1307	1463	877	1293	1420	787
921									
922									
923									
924									
925	1533	1617	690	1437	1590	823	1277	1437	767
926	1440	1557	767	1327	1500	823	1263	1390	820
927	1360	1470	690	1330	1473	780	1210	1387	760
928	1307	1443	660	1150	1370	783	1100	1297	743
929	1143	1233	686						
932	1133	1337	648	1037	1243	977	970	1057	723
933	1117	1240	573	1000	1183	773	937	1113	710

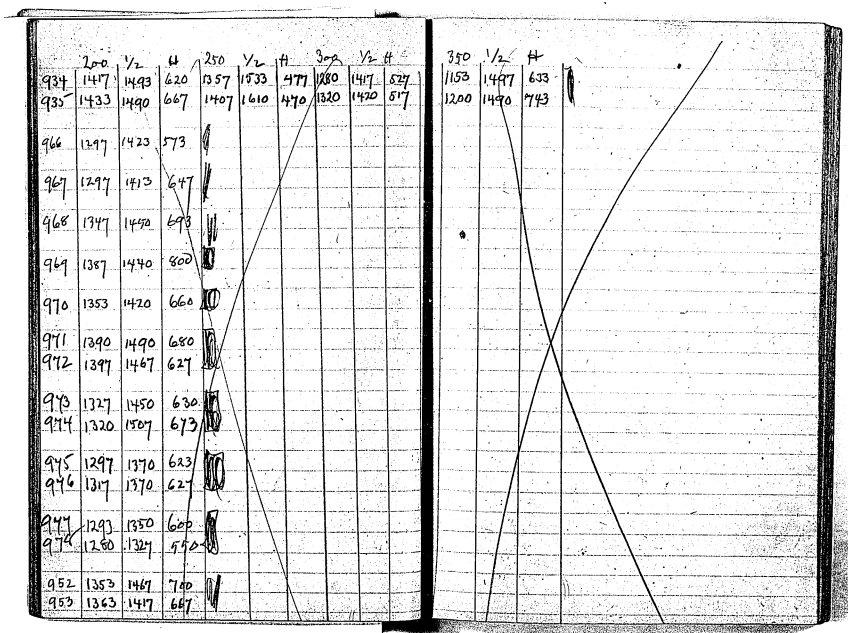
Co. Mi Sword wager by Hallmark for requirements

1223 1224

Guard (Fo changed)

		Cold	
930 + D temp from Kew gas + temp reading 1/2 the time			
Dup 930 except charge neg rate in 21K2Li 3 times + put on hot test 6 drops 739 gr 104 f	934	X	
	935	✓	
Ra 1178 282 D 8.099	966	1100	
Ra 1184 292 D 7.936	967	1197	
Ra 1186 303 D 8 315	968	1163	
Ra 815 (NOW) 273 7.405	969	1200	
Ra 1164 296 1 Machine — Stick 20A flake 8.250	970	1093	
Dup of 8628 except thru 30 on 190 + 104 f. old one made with 24 f 278 D 7.400	971	1170	
	972	1167	
Dup 8722 except thru 30 on 190 + 104 f 268 D 7 425	973	1140	
	974	1143	
Dup 9084 except thru 30 on 190 + 104 f 6.900	975	1003	
	976	1020	
739 - 104 f 21K2Li after 50 hot runs change to plain 21K no Li ?	977	1213	
	978	1207	
Did change to 21K2Li	952		
	953		

50	1/2	H	100	1/2	H	150	1/2	H
1363	1433	567	1360	1491	560	1380	1543	603
1357	1430	477	1353	1477	523	1400	1507	637
1223	1320	837	1233	1313	383	1293	1410	410
1267	1337	455	1247	1333	453	1293	1377	473
1267	1337	407	1293	1377	453	1338	1420	483
1306	1360	500	1327	1393	533	1367	1403	473
12,10	1293	370	1247	1337	480	1280	1317	370
1267	1337	340	1290	1373	623	1310	1417	510
1267	1327	303	1287	1367	497	1323	1420	507
1273	1307	303	1257	1350	573	1280	1400	567
1250	1313	277	1247	1360	523	1280	1433	617
1170	1233	280	1197	1253	460	1227	1300	517
1170	1230	277	1203	1266	417	1253	1313	490
1227	1270	493	1230	1260	287	1217	1240	273
1210	1257	477	1220	1253	283	1217	1240	270
203			1190			1370		


200 1/2 H 250 1/2 H 300 1/2 H 350 1/2 H
934 1417 1493 620 1357 1533 977 1280 1417 827 1153 1497 633
935 1433 1490 667 1407 1610 970 1320 1420 817 1200 1490 743
966 1397 1423 573
967 1297 1413 647
968 1347 1470 693
969 1387 1440 800
970 1353 1420 660
971 1390 1490 680
972 1397 1467 627
973 1327 1450 630
974 1320 1507 673
975 1297 1370 623
976 1317 1370 627
977 1293 1350 600
978 1280 1324 590
952 1353 1467 700
953 1363 1417 667

Dup 977 Except corrugated one light one heavy 7.536	979	1223
	980	1227
979 - 104 f run in 21K 2 li end of 50 runs change to plain 21K no li 7.760	981	1170
	982	1167
~~739 - 36 mtg 6 press 6 mtg 104 f~~ 6/2 35.9 188 D 7.330	985	1267
	986	1200
739 104 f 35.9 gross 4 f 189 D 7.200	987	1240
	988	1230
739 - 104 f Nickel Tubing in center 7.006	989	1253
	990	1260
Dup 989 perforated Nickel Tube in center 7.001	991	1257
	992	1250
Dup 9172 Except thru 30 on 190 104 f 725 A 7.340	993	1193
	994	1173
Dup of 9304 Except thru 30 on 190 104 f 725 J 8.225	995	1113
	996	1143
Dup 9373 Except thru 30 on 190 - 104 f Ra 1100 A 7.540	997	1130
	998	1120

50	½	H	100	½	H	150	½	H	200	½	H
1237	1273	420	1260	1287	313	1243	1263	300	1297	1333	553
1253	1287	367	1267	1300	323	1257	1280	283	1317	1357	577
1167	1200	290	1160	1190	287	1143	1167	253	1227	1307	553
1150	1193	293	1173	1260	317	1150	1170	277	1213	1257	
1270	1323	457	1273	1367	660	1303	1447	900	1353	1467	677
1243	1293	483	1243	1317	597	1280	1383	703	1323	1457	680
1300	1343	467	1280	1357	557	1303	1393	643	1353	1443	633
1326	1370	513	1323	1390	663	1353	1440	800	1413	1527	710
1323	1370	477	1337	1400	617	1347	1417	800	1403	1490	713
1303	1350	460	1300	1390	647	1347	1420	787	1410	1493	710
1357	1400	493	1357	1430	660	1377	1453	730	1450	1523	720
1300	1357	490	1300	1393	640	1320	1400	743	1367	1463	643
1243	1307	367	1243	1333	560	1277	1387	577	1350	1437	520
1220	1287	370	1220	1310	453	1260	1377	530	1317	1420	510
1273	1303	370	1190	1343	437	1217	1387	537	1287	1443	490
1213	1333	340	1257	1383	457	1290	1423	690	1313	1443	493
1280	1297	363	1220	1340	487	1250	1380	613	1287	1443	513
1183	1283	320	1220	1323	480	1243	1357	617	1317	1417	493

	250	½	ft	300	½	ft	350	½	ft	400	½	ft	450			
979																
980																
981																
982																
985	1333	1547	680	1363	1581	703	1353	1557	790	1067	1497	563	1290	1437	503	
986	1337	1520	654	1310	1567	703	1317	1590	823	1120	1517	603	1233	1500	529	
987	1363	1570	620	1410	1547	640	1330	1570	780	1187	1463	563	1240	1400	510	
988	1420	1580	680	1427	1593	733	1450	1637	799	1153	1597	663	1363	1507	540	
989	1407	1530	663	1427	1543	767	1367	1600	803	1220	1517	683	1323	1443	596	
990	1387	1547	643	1410	1607	740	1367	1677	977	1167	1620	670	1453	1490	554	
991				1460	1607	800	1407	1677	843	1167	1623	720	1367	1490	600	
992				1370	1543	747	1263	1543	807	1067	1573	640	1400	1467	603	
993																
994																
995																
996																
997																
998																

500 1/2 H

985	1260	1407	777	1197	1333	690
986	1197	1413	773	1160	1330	717
987	1043	1220	640	1070	1143	657
988	1170	1260	683	1077	1143	643
989	1160	1293	720	1123	1217	707
990	1290	1407	767	1193	1310	757
991	1247	1387	790	1193	1257	703
992	1320	1417	770	1217	1310	720

Saved by Holland Fox Requirements

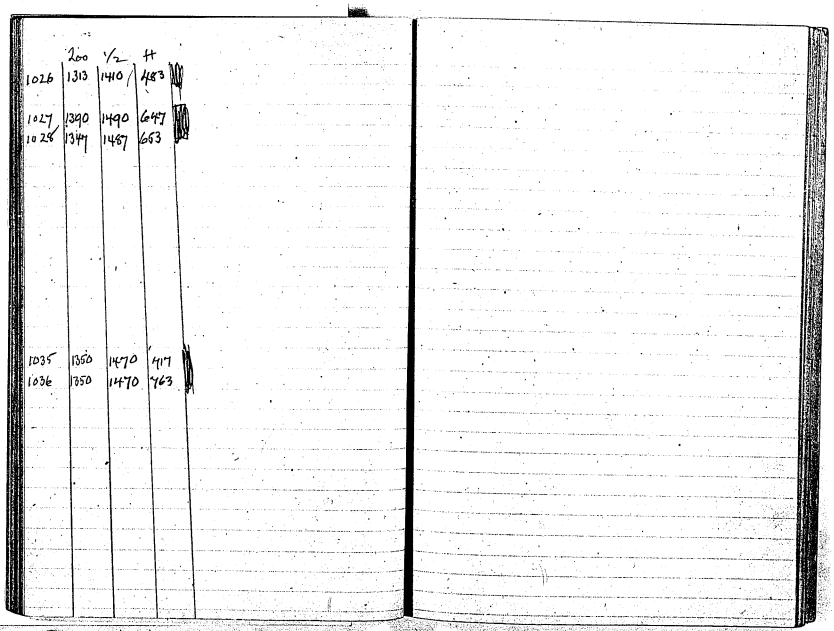
		1008	1240
Dup 9668 Except Horn 30 on 190 + 104 f 280 D		1009	1213
Bridal Journey High Rock Lofton Unity RA 7319	7.760		
Dup 9694 Except Horn 30 on 190 + 104 f 278 D		1010	1267
		1011	1257
7316 - 25 horn 180 Zac	7.372		
Dup 9700 Except Horn 30 on 190 + 104 f 274 D		1012	1283
		1013	1283
RA 731 C 50 horn 180	7.600		
Dup 9710. Except Horn 30 on 190 + 104 f 279 D		1014	1237
		1015	1237
RA 731 D 100 horn 180	7.479		
Dup 9716 Except Horn 30 on 190 + 104 f 269 D		1016	1213
		1017	1207
731 E 10 horn 212	7.125		
Dup 9722 Except Horn 30 on 190 + 104 f 261 D		1018	1193
		1019	1197
731 F 25 horn 212	7.200		
Dup 9728 Except Horn 30 on 190 + 104 f 280 D		1020	1233
		1021	1230
731 G 50 horn 212	7.473		
Dup 9744 Except Horn 30 on 190 + 104 f 272 D		1022	1233
		1023	1227
731 G 100 horn 212 John	7.400		
731 RA —		1024	1220
		1025	1197

50	½	H	100	½	H	150	½	H
1270	1337	357	1317	1400	357	1337	1463	557
1240	1313	340	1287	1383	400	1303	1433	580
1280	1320	333	1320	1370	373	1310	1393	533
1257	1300	380	1290	1347	450	1277	1347	553
1226	1317	420	1340	1390	467	1333	1427	540
1233	1293	507	1310	1363	550	1310	1420	520
1313	1380	323	1343	1473	483	1353	1473	557
1317	1360	330	1340	1423	480	1333	1443	540
1300	1323	367	1283	1337	480	1283	1367	527
1267	1307	377	1267	1340	480	1280	1393	547
1273	1257	373	1273	1230	427	1283	1380	530
1270	1253	377	1273	1323	370	1280	1363	513
1270	1353	267	1273	1383	333	1297	1413	500
1253	1323	267	1267	1367	330	1273	1390	503
1270	1317	323	1277	1383	410	1300	1403	517
1283	1333	273	1297	1370	400	1297	1410	517
1283	1330	300	1273	1397	407	1297	1423	553
1250	1310	377	1273	1363	375	1273	1407	520

	Q00	1/2	H	
1008	1383	1507	613	
1009	1326	1490	583	
1010	1307	1447	590	
1011	1260	1400	587	
1012	1343	1467	627	
1013	1360	1467	627	
1014	1360	1523	617	
1015	1333	1470	543	
1016	1303	1383	533	
1017	1307	1410	563	
1018	1303	1373	500	
1019	1327	1387	520	
1020	1307	1457	510	
1021	1253	1417	533	
1022	1333	1407	593	
1023	1333	1417	613	
1024	1337	1430	610	
1025	1317	1420	557	

		Cold
RA 1201 104 f	1026	1133
7.698		
Dup of 245 except thru 20 on 190	1027	1250
104 f 268 D	1028	1260
RA 736 7.400		
739 104 f thru 30 on 190	1029	1057
2 grms Hydroquinone	1030	1077
21K 26 7.150		
Dup 1029	1031	1100
Except 2 grms Phenol 268 D	1032	1093
7.220		
Dup 1029	1033	1243
2 grms Phthalic Acid 268 D	1034	1240
7.280		
Dup 376 104 f thru 20 on 190	1035	1250
	1036	1240
742 RA Dried deep pans 7.550		
Dup 394 104 f thru 20 on 190	1037	1110
285 D	1038	1117
RA 731 A .8.000		
Dup 408 104 f thru 20 on 190	1039	1040
731-0- 295	1040	1040
RA 731 0- 8.200		
RA 1203 104 f	1041	1140
265 D	1042	1137
7.100		

50	½ H	100	½ H	150	½ H
1217 1283	263	1267	1347	313	1273 1373 443
1307 1361	327	1340	1417	477	1343 1457 617
1327 1383	383	1347	1420	417	1330 1447 613
1143 1170	279	1127	1143	429	
1133 1163	280	1087	1103	443	
1167 1180	357	1190	1197	677	1150 1163 700
1150 1160	297	1183	1200	620	1133 1150 647
1297 1343	383	1317	1413	603	1367 1427 773
1310 1367	443	1377	1440	617	1380 1433 793
1323 1380	403	1403	1467	536	1380 1440 733
1297 1367	463	1386	1463	550	1363 1437 747
1193 1267	523	1287	1393	480	1267 1363 750
1207 1266	427	1247	1373	567	1257 1350 693
1170 1246	553	1267	1390	680	1280 1397 733
1153 1220	490	1263	1390	710	1257 1387 697
1233 1267	380	1310	1353	500	1280 1327 583
1210 1253	350	1307	1343	443	1257 1317 583


200 1/2 H
1026 1313 1410 483
1027 1390 1490 647
1028 1347 1487 663
1035 1350 1470 417
1036 1350 1470 763

RA-817 104 f-	1043	1187
254 D	1044	1190
21K2 Li 7.215		
Chgd 17 hours 300 normal Temp M. Sat Li off 2 grms 18 Off change to Li Rum reg	1045	1217
ditto but chge 180 to 200 f/hr 4.400	1046	1307
RA 1164 104 flake 4.3 239 Mucolene -	1047	1137
288 Dumps - Tests for heavy loading weight	1048	1130
	1049	1140
Made 6y precipty the two Solutions, no	1050	1140
water extra, Then dried + percolated ok	1051	1140
prospect to get 104,20 Sulfate as Rye proof	1052	1150
21K2 Li 289 Dumps 8.151 6.69		1139.5
1165 RA 104 f	1053	1160
105 Litres Ni SO4 80 f standard 85 f. Tres	1054	1133
NaOH sol 10% precipt + Cone to correct	1055	1143
thickness run into pans + dried at high heat	1056	1143
95 Cent at once No wash percolated	1057	1138
	1058	1127
21K2 Li 291 D 8.175		1139.5
RA 1201 104 f	1059	1170
105 Litres Ni SO4 80 Litres Na OH 10% precip and	1060	1170
Cone to right thickness run into pans + Dried	1061	1160
for 60 hours at low heat then for 44 hours	1062	1160
at 95 Cent No wash percolated	1063	1153
	1064	1170
261 D 7.659		1163.5

50	½	H	100	½	H	150	½	H	
1273	1307	383	1317	1393	563	1287	1357	707	
1283	1317	393	1350	1413	587	1310	1377	720	
1283	1333	390	1333	1347	287	1290	1310	370	
1243	1273	343	1283	1307	390	1237	1250	387	
1240	1310	487	1267	1373	463	1227	1303	587	
1243	1317	393	1247	1373	503	1217	1307	523	
1250	1320	380	1263	1373	417	1216	1287	500	
1250	1323	380	1263	1393	463	1210	1307	467	
1250	1317	373	1263	1377	393	1223	1297	423	
1267	1330	337	1280	1383	384	1253	1307	383	
1255	1319	397	1264	1379	431	1223	1301	474	
1240	1290	340	1280	1347	383	1250	1280	463	
1240	1307	410	1263	1367	383	1207	1271	440	
1247	1313	407	1297	1400	433	1240	1313	447	
1267	1320	350	1297	1383	467	1240	1290	443	
1253	1330	427	1297	1387	507	1217	1267	363	
1237	1307	400	1283	1390	510	1223	1267	367	
1247	1311	389	1286	1379	447	1219	1262	434	
1280	1347	377	1310	1410	467	1240	1283	363	
1297	1353	357	1310	1407	467	1270	1310	337	
1280	1347	350	1277	1377	403	1240	1280	343	
1270	1340	397	1310	1373	387	1243	1280	340	
1260	1330	340	1277	1373	387	1240	1283	360	
1267	1327	343	1293	1373	343	1243	1300	400	
1276	1341	361	1296	1388	494	1246	1289	354	

200	½	H	250	½	H	300	½	H
1047	1257	1390	647	1153	1437	483	1240	1467	600
48	1257	1400	647	1153	1433	470	1067	1580	650
49	1267	1370	667	1217	1420	450	1290	1473	677
50	1277	1383	610	1253	1417	480	1290	1533	733
51	1257	1370	607	1237	1420	467	1267	1513	700
1052	1267	1377	573	1273	1423	437	1247	1517	627
	1264	1382	600	1247	1420		1254	1527	
1053	1257	1343	607	1223	1380	443	1240	1463	547
54	1257	1343	590	1237	1353	440	1240	1453	580
55	1293	1370	590	1283	1400	480	1290	1457	587
56	1280	1350	520	1283	1367	477	1263	1483	627
57	1253	1300	450	1223	1333	447	1240	1400	647
1058	1253	1310	443	1223	1330	457	1260	1480	657
	1265	1336	553	1249			1251		
1059	1313	1367	447	1320	1400	463	1317	1493	667
60	1327	1383	540	1320	1410	470	1347	1493	640
61	1310	1367	600	1297	1407	443	1283	1467	603
62	1263	1370	637	1300	1400	467	1283	1467	600
63	1327	1373	607	1300	1393	477	1283	1480	590
1064	1300	1370	550	1300	1400	467	1283	1497	583
	1307	1372	563	1306			1291		

550	½	Hot	400	½	H	400	½	H
1250	1503	547	1153	1547	763			
1247	1503	553	1163	1567	727			
1313	1493	603	1247	1533	667			
1283	1600	657	1217	1617	600			
1313	1573	717	1183	1577	603			
1313	1533	720	1160	1527	597			
1296	1544		1167	1564	654			
1257	1517	713	1137	1490	627			
1247	1477	660	1187	1493	613			
1300	1503	680	1217	1523	650			
1263	1550	667	1230	1593	747			
1243	1460	640	1170	1487	643			
1153	1517	567	1113	1433	627			
1259			1176		651			
1313	1533	600	1233	1520	667			
1307	1543	647	1260	1553	657			
1287	1547	653	1190	1543	677			
1247	1540	720	1240	1557	697			
1327	1540	723	1250	1563	700			
1327	1587	757	1240	1593	740			
1316			1235		685			

1047	1433	1500	677	1347	1500	782	
1048	1430	1500	680	1343	1493	777	
1049	1407	1487	660	1347	1500	723	
1050	1417	1487	610	1310	1467	720	
1051	1343	1463	537	1193	1357	660	
1052	1300	1397	493	1193	1357	627	
	1358	1439	604	1289	1446	715	
1053	1247	1383	510	1187	1347	657	
1054	1257	1383	533	1183	1360	643	
1055	1327	1433	617	1187	1360	660	
1056	1420	1530	701	1273	1507	687	
1057	1320	1427	573	1207	1357	667	
1058	1300	1430	600	1223	1387	693	
	1312	1431		1210	1346		
1059	1363	1453	603	1307	1443	753	
1060	1370	1480	597	1223	1443	753	
1061	1347	1473	663	1283	1483	757	
1062	1410	1520	647	1283	1517	850	
1063	1357	1503	643	1310	1520	657	
1064	1377	1533	713	1283	1500	700	
	1379	1443		1281	1484		

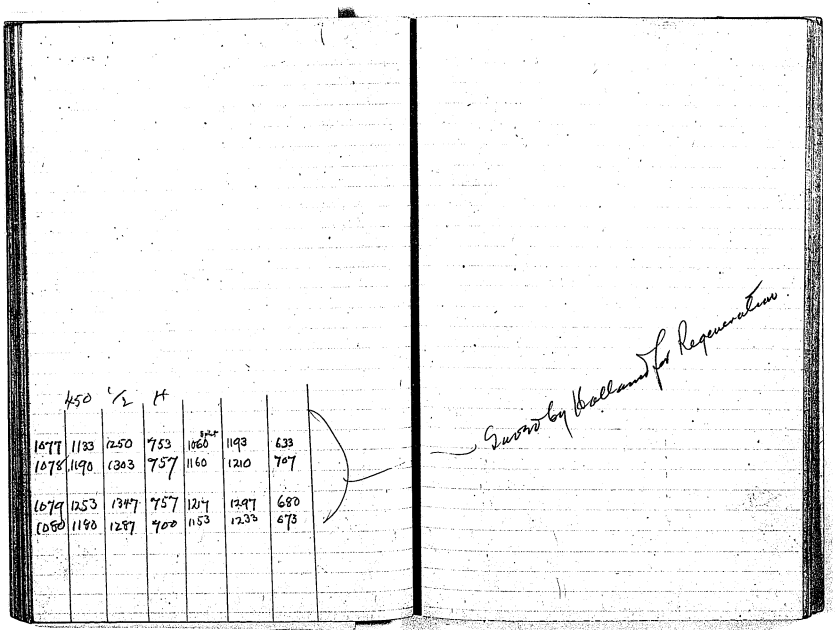
1260	1360	543	1180	1313	640		
1243	1347	557	1213	1353	693		
1247	1383	607	1183	1330	690		
1217	1347	540	1133	1347	680		
1163	1307	490	1120	1290	657		
1160	1297	507	1103	1257	660		
	1306						
1177	1312	510	1050	1223	700		
1157	1310	517	1043	1280	710		
1148	1297	510	1033	1217	673		
1183	1357	513	1100	1293	667		
1150	1267	517	1127	1260	663		
1193	1347	520	1130	1303	670		
1167							
1210	1403	613	1177	1390	683		
1257	1293	620	1067	1320	663		
1133	1340	563	1127	1310	703		
1297	1510	647	1160	1383	773		
1177	1427	610	1110	1277	660		
1210	1423	623	1103	1320	697		
1216							

739–104–Thm 30 on 190	1065	1117	
21K 2 fl 2 Resorcin	1068	1103	
Ditto	1067	1217	
2 grm Benzoic acid	1068	1207	
Ditto	1069	1130	
2 grm Pyrogallic acid	1070	1107	
Ditto	1071	1090	
2 grm Catechol	1072	1093	
Made for Hooper	1073	1340	
739–104–Set Li w 2 grm Bisth.	1074	1317	
Dup of 715 Except Thm 30 on 190	1075	1147	
104f	1076	1150	
flasks) Nigrosin Mixed no ales 7596			
Dup 667 Except Thm 30 on 190	1077	1223	
4.3 f 35.7 green	1078	1220	
200 D 7500			
Dup 663	1079	1153	
6.2 f 35.7 green	1080	1160	
7555			
	1081	1107	
	1082	1120	

50	½	H	100	½	H	150	½	H
1240	1253	517	1187	1267	550			
1237	1247	580	1210	1220	567			
1437	1480	700	1477	1537	737	1487	1520	847
1347	1403	613	1390	1480	693	1407	1493	813
1183	1200	523	1130	1217	580			
1150	1167	440	1137	1197	517			
1180	1190	443	1127	1143	507			
1177	1183	407	1180	1197	447			
1400		333	1350	1380	347	1320	1357	290
1393		327	1317	1350	353	1280	1303	343
1210	1250	377	1243	1310	371	1207	1267	627
1240	1277	423	1260	1327	400	1223	1290	637
1310	1363	413	1330	1403	390	1293	1363	650
1333	1380	467	1390	1460	470	1337	1400	650
1223	1280	403	1257	1333	413	1220	1290	587
1280	1333	387	1293	1377	477	1250	1323	677
1200	1243	417						
1183	1227	400						

	200	1/2	H	250	1/2	H
1065						
1068						
1067	1217	1260	793			
1064	1257	1290	753			
1075	1207	1263	647			
1076	1233	1228	603			
1077	1270	1313	693	1250	1407	677
1074	1313	1376	697	1293	1483	707
1079	1233	1283	630	1267	1390	673
1080	1247	1300	637	1267	1403	677

	300	1/2	H	350	1/2	H.	400	1/2	H
1187	1400	750		1070	1363	643	1200	1291	592
1253	1450	813		1117	1437	660	1297	1370	637
1260	1407	783		1153	147	676	1333	1393	682
1223	1393	767		1188	1393	677	1303	1353	645

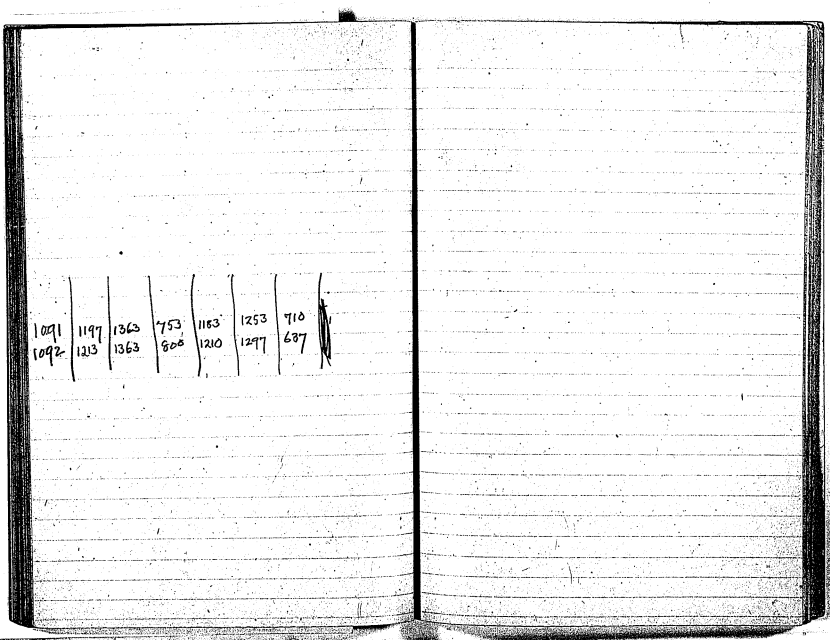

450 'L H
1077 1133 1250 753 1060 1193 633
1078 1190 1303 757 1160 1210 707
1079 1253 1347 757 1247 1297 680
1080 1190 1287 708 1153 1233 673
Survey by Headquarters for Regeneration

		Cold	
Ra 1205 flake 20 & 28		1083	1077
259 D		1084	1060
	8.100		
Ra 1206 flake 159		1085	1077
263 D		1086	1090
	7540		
Ra 840 159 f		1087	1110
253 D		1088	1103
	7 165		
Ra 841 f 159		1089	1127
266 D		1090	1123
	7390		
Made forthcoming 739 104 f		1091	
Det Li 2 gm B.Ol$_2$		1092	
267	7406		
739 104 f		1093	990
21R 26i 2 Chloramf		1094	1083
	4307		
Dup 1093.		1095	1157
Quinhydrone		1096	1160
262 D			
Ra 842 flake 159		1097	1147
245 D		1098	1098
	7290		
		1099	1173
		1100	1187

50	½	H	100	½	H	150			
1203	1283	413	1227	1327	270	1210	1330	570	
1153	1237	370	1163	1300	227	1287	1320	587	
1173	1267	347	1207	1317	340	1183	1323	500	
1203	1283	367	1207	1337	393	1210	1347	527	
1193	1233	530	1207	1267	717	1263	1347	580	
1193	1237	487	1197	1263	707	1263	1353	567	
1200	1247	503	1217	1377	660	1260	1350	540	
1173	1210	480	1183	1250	633	1247	1317	573	
1327	1380	363	1327	1357	320	1373	1420	613	
1337	1393	367	1330	1353	327	1373	1423	610	
1177	1223	493	1240	1277	700				
1171	1227	497	1230	1267	760				
1152	1190	1	1073	1087	693				
1161	1190		1060	1070	673				
1250	1283	403	1260	1327	523	1313	1373	580	
1240	1270	333	1250	1300	440	1287	1327	500	
1240	1273	340	1283	1343	527	1307	1337	533	
1253	1280	320	1283	1347	510	1290	1357	507	

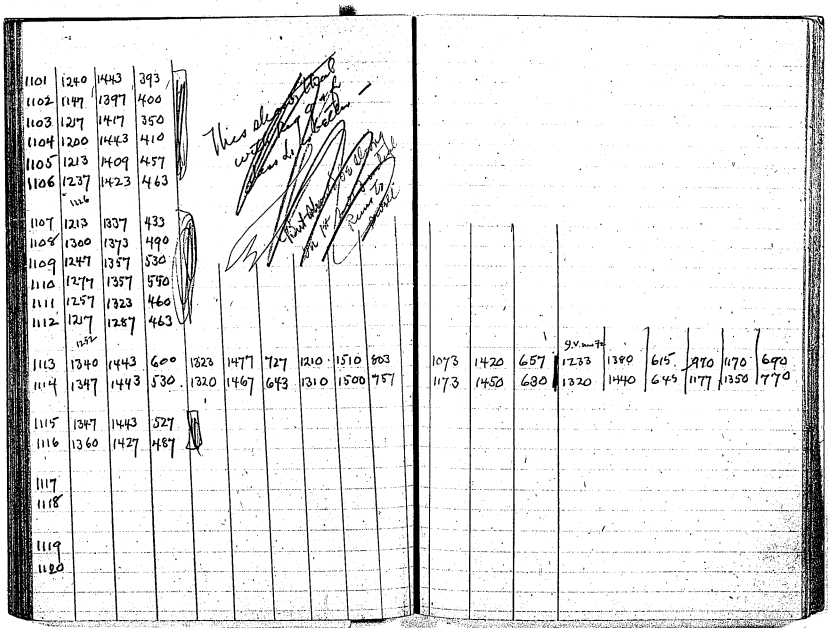
	200 ½		Hot 950 ½		H		
1083							
1084							
1085							
1086							
1087	1243	1383	580	1233	1423	683	
1088	1243	1407	617	1223	1450	683	
1089	1243	1390	590	1223	1423	680	
1090	1240	1367	550	1267	1413	643	
1091	1450	1587	433	1327	1477	739	
1092	1410	1490	453	1347	1460	367	
1093							
1094							
1095							
1096							
1097							
1098							
1099							
1100							

	300 ½	N	350 ½	H					
							4500		
							9 min 7h		
1326	1533	863	1217	1510	690	1350	1460	671	
1326	1503	757	1187	1430	660	1333	1427	640	

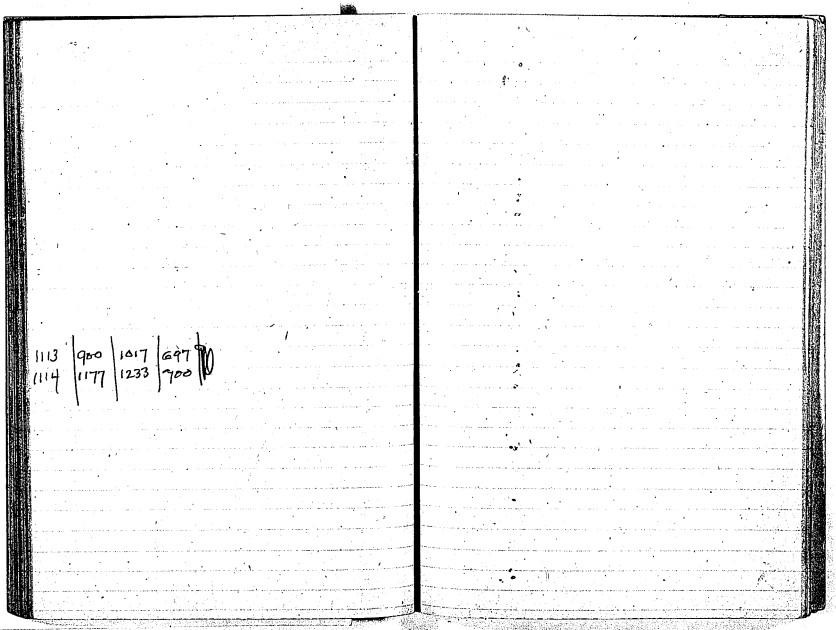

1091 1197 1363 753 1163 1253 710
1092 1213 1363 806 1210 1297 687

Ra 739 159 f	1101	1270
	1102	1240
21K 1/2 gms Lieff	1103	1250
268	1104	1247
	1105	1263
7350	1106	1250
Sup 1101	1107	1267
	1108	1270
1 gm Lieff.	1109	1267
	1110	1270
	1111	1250
	1112	1250
Tomhopper 739 159 f	1113	1263
21K 2 Bioff.	1114	1267
Ra 845 159 f	1115	1233
	1116	1223
7240		
Ra 847 159 f	1117	1200
	1118	1253
7200		
Ra 844	1119	1283
	1120	1260

50	1/2	H	100	1/2	H	150	1/2	H
1323	1367	317	1270	1317	447	1290	1333	433
1260	1337	307	1233	1290	443	1270	1310	447
1290	1343	327	1250	1303	457	1287	1320	433
1290	1347	243	1250	1303	467	1287	1327	453
1280	1347	283	1247	1303	510	1290	1333	480
1270	1350	297	1247	1313	493	1290	1347	480
1293	1340	297	1249	1305	944	1246	1324	449
1213	1317	300	1247	1270	340	1267	1293	400
1287	1330	270	1260	1293	357	1290	1307	463
1260	1317	273	1247	1293	447	1287	1317	403
1257	1340	273	1263	1313	497	1297	1327	417
1240	1300	270	1230	1270	440	1253	1280	407
1200	1260	267	1200	1237	443	1230	1243	467
1243	1211	270	1246			1171	1249	416
1400	1427	367	1390	1447	740	1427	1470	583
1330	1367	320	1327	1400	710	1373	1443	530
1300	1320	290	1317	1347	763	1377	1427	560
1243	1307	287	1350	1393	810	1407	1450	540
1243	1340	440	1273	1297	500	1290	1327	520
1303	1387	460	1293	1320	503	1310	1343	553
1313	1353	407	1287	1323	500	1293	1340	543
1290	1340	407	1247	1317	547	1283	1333	583



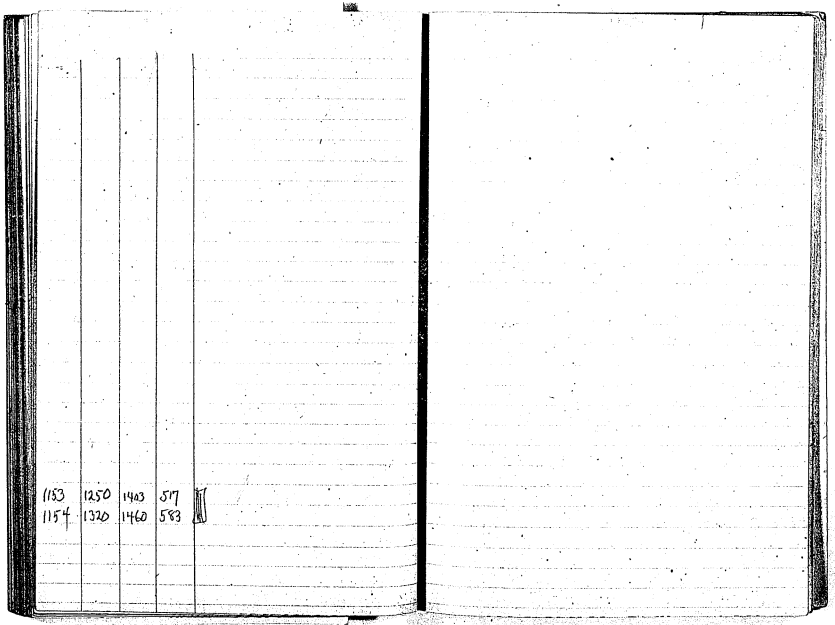
1101	1240	1443	393															
1102	1147	1397	400															
1103	1217	1417	350															
1104	1200	1443	410															
1105	1213	1409	457															
1106	1237	1423	463															
	1116																	
1107	1213	1337	433															
1108	1300	1373	490															
1109	1247	1357	530															
1110	1277	1357	550															
1111	1257	1323	460															
1112	1217	1287	463															
	1137																	
1113	1340	1443	600	1323	1477	727	1210	1510	803		1073	1420	657	9.v.m.74 1233	1380	615	970	1170	690
1114	1347	1443	530	1320	1467	643	1310	1500	757		1173	1450	680	1320	1440	645	1177	1350	770
1115	1347	1443	527																
1116	1360	1427	487																
1117																			
1118																			
1119																			
1120																			


1113 900 1017 697
1114 1177 1233 700

Ra 846	1121	1247
247 D	1122	1257
7 332		
Made for 6 o apo 739 159 f	1123	1230
269 D	1124	1213
7 400		
Ra 1213	1125	1180
287 D	1126	1187
7 666		
Ra 1207	1127	1128
305 D	1128	1127
8070		
Ra 1210	1129	1150
287 D	1130	1150
7 452		
739 159 f	1131	1240
100 mlg Thallium hydrox in each cell	1132	1253
21 K 2 Li 247 D 7440		
Dep 1131	1133	1233
250 mlg Thallium hydrox	1134	1250
Dep 1131	1135	1223
One grm Thallium hydrox	1136	1183
Dep 1131	1137	1287
21K only no Li + 1 grm Thallium hydrox	1138	1243

50	½	H	100	½	H	150			
1293	1340	403	1290	1317	477	1307	1353	587	
1330	1357	400	1320	1343	500	1363	1397	643	
1223	1249	263	1080	1090	233				
1267	1347	487	1303	1333	480				
1198	1250	588	1250	1273	483	1273	1323	610	
1198	1267	600	1280	1307	527	1297	1340	663	
1197	1243	493	1153	1243	433				
1197	1247	490	1153	1253	463				
1217	1253	550	1260	1267	510				
1217	1250	507	1200	1267	517				
1243	1310	620							
1253	1290	540							
0	0	493							
0	0	200							
0	0	467							
0	0	427							
0	0	140							
1217	1230	140							

			50	½	4	100	½	4				
739 flasks B_2 B_3 Hungarian mix of 20 seperate lots 244D 7440	1139	1287	1297	1337	550	1287	1353	680	1310	1357	460	
	1140	1293	1327	1367	680	1347	1407	697	1353	1407	503	
Forthcoming Dec'li 2 Bicth.	1141		1357	1423	1130	1333	1440	733				
	1142		1293	1377	990	1357	1453	633				
Ditto	1143		1260	1307	667	1313	1373	483				
	1144		1177	1207	447	1250	1303	413				
Ra 848 245D 7545	1145	1197	1290	1320	603	1283	1350	650	1310	1350	507	
	1146	1200	1260	1318	570	1280	1337	640	1307	1350	600	
Ra 849 159f 242D 7450	1147	1247	1343	1377	623	1330	1390	617	1330	1377	650	
	1148	1233	1337	1370	650	1330	1393	617	1330	1380	673	
Ra 850 262D 7415	1149	1230	1317	1350	683	1307	1367	580	1310	1350	657	
	1150	1213	1287	1317	717	1307	1370	560	1313	1347	680	
Ra 851 159f 255D 7293	1151	1220	1306	1333	643	1300	1363	600	1310	1350	617	
	1152	1210	1286	1310	607	1293	1343	570	1297	1333	647	
Ra 1209 159f 285 7935	1153	1127	1230	1287	497	1207	1297	447	1210	1280	543	
	1154	1143	1257	1317	470	1260	1337	460	1283	1327	567	
R39 104f 21K2li 2gms Quinine 7070	1155	1060	980	1000	487							
	1156	1067	933	937	447							


1153 1250 1403 517
1154 1320 1460 583

			50	½	H	100	½	H	150	½	H
Bz Bz flake 70 grms in 4500 cc Sat. Nitryl Cl Containing 64 cc / Saturated BiCl3 in Nitryl Cl—warmed till flake absorbed all the Bi dark steel grey 4.5 24- 739- 7645 21K2Li	1157	1400	1487	1600	800	1513	1617	1310	1403	1640	1080
	1158	1410	1483	1597	1037	1507	1600	1250	1440	1600	1057
	1159	1273	1457	1567	1003	1493	1620	1180	1393	1587	1020
Dup 1157 Except 1 grm LiOH.	1160	1290	1440	1493	703	1433	1513	660			
	1161	1287	1413	1463	717	1410	1497	643			
	1162	1277	1400	1463	740	1400	1493	693			
Dup 1157 Except ½ grm LiOH.	1163	1277	1430	1463	523	1393	1440	563			
	1164	1290	1447	1487	587	1433	1483	610			
	1165	1290	1440	1483	707	1446	1467	663			
739 40 grm loff Bi	1166	1250	1413	1490	1177	1447	1527	750	1440	1577	503
	1167	1230	1400	1480	1230	1450	1540	783	1483	1593	833
21K2Li change to plain 21K after 50 hot runs 765D Bz Bz flake 7500	1168	1240	1420	1480	1153	1450	1527	683	1493	1560	813
	1169	1243	1430	1497	1123	1467	1540	663	1510	1510	960
	1170	1250	1413	1487	1257	1457	1543	760	1517	1570	977
	1171	1263	1430	1507	1280	1490	1563	613	1500	1557	833
Dup 1166	1172	1307	1343	1383	577	1323	1410	360	1397	1480	683
	1173	1320	1387	1433	667	1383	1460	440	1487	1567	780
21K1Li change to plain 21K after 50 Runs Wash—K after 100 change to 21 2 Li 7.500	1174	1307	1380	1417	647	1383	1457	427	1410	1447	673
	1175	1310	1367	1413	603	1347	1430	387	1420	1513	680
	1176	1310	1350	1400	610	1340	1420	437	1430	1540	737
	1177	1307	1387	1430	597	1373	1453	417	1383	1467	670

Note 1 Li better than 2 Li with Bi flake

	200	½	H	250	½	H
1157	1437	1550	1090	1303	1440	1173
1158	1453	1547	1100	1350	1470	1063
1159	1467	1560	1297	1380	1527	1177
1160						
1161						
1162						
1163						
1164						
1165						
1166	1413	1540	1120			
1167	1373	1553	900			
1168	1360	1550	1000			
1169	1427	1600	1050			
1170	1350	1580	1067			
1171	1370	1600	1053			
	1379					
1172	1450	1620	1003	1433	1523	1300
1173	1510	1587	1003	1527	1663	1377
1174	1490	1667	1060	1550	1707	1433
1175	1510	1663	1010	1550	1700	1427
1176	1510	1680	1010	1490	1610	1303
1177	1317	1477	957	1407	1550	1353
	1469			1493		

Wonderful S

172 shovelful with Burnett low Light co Gratt for long run

300	½	H	350	½	H
1183	1330	663			
1197	1350	693			
1217	1363	680			

cross 5 shovelful for Clinch

400 ½ H

9 mm ft

1571	1543	1347	1273	1527	1271	1340	1387	780
1473	1600	1490	1347	1523	1127	1380	1413	803
1443	1547	1183	1290	1437	1123	1333	1390	793
1453	1573	1307	1317	1540	1100	1393	1457	963
1403	1543	941	1327	1440	1080	1353	1400	847
1407	1547	1243	1330	1493	1130	1390	1433	847
1395			1314			1365		

1172	1320	1387	643
1173	1380	1413	610
1174	1333	1380	1003
1175	1363	1457	950
1176	1343	1390	870
1177	1377	1427	953
	1359		

				50	½	1f	100			150				
Dup 1164 after 150 f	1178	1097		1147	1200	317	1180	1230	293					
	1179	1100		1198	1247	316	1213	1257	267					
21K 2Li - after 50 Rum change 2nd	1180	1120		1197	1230	373	1223	1267	293					
to plain 21K	1181	1127		1190	1233	360	1220	1246	310					
1164 green mud	1182	1080		1153	1193	293	1173	1223	290					
2 Li after 100 change to 21K2Li	1183	1087		1143	1180	313	1170	1220	290					
8 200							1171	1196						
Dup 1174	1184	1087		1140	1177	297	1200	1240	313	1093	1403	363		
Except 21K 1 Li change	1185	1097		1178	1203	263	1220	1250	287	1277	1373	387		
to plain 21 after 50 Rum to	1186	1087		1126	1167	267	1217	1253	260	1287	1400	377		
	1187	1080		1133	1160	250	1190	1220	263	1257	1370	367		
249 dup after 100 change to	1188	1110		1200	1230	270	1240	1273	273	1340	1420	863		
21K2Li of 1 Li volatile	1189	1083		1147	1183	243	1187	1223	263	1253	1350	387		
8150							1192			1251				
739 40 grm bug lot Bi flake	1190	1287		1370	1510	1067	1017	1353	1253	1090	1120	963		
21K2Li 2 Benzoic acid	1191	1237		1380	1517	1080	1300	1330	1357	913	930	840		
Not light hot Cap	1192	1237		1343	1493	890	1297	1343	1317	1050	1080	906		
Dup 1190	1193	1277		1433	1567	1080	1317	1347	1363	1060	1090	960		
21K2Li 1 grm Benzoic acid	1194	1277		1440	1580	978	1367	1350	1287	943	983	998		
Note light hot capacity	1195	1277		1440	1570	1023	1293	1330	1273	970	1000	847		
739 — 159 f	1196	1170		1247	1260	500								
21K2Li 2 Benzoic acid	1197	1183		1230	1267	483								
	1198	1170		1213	1250	463								

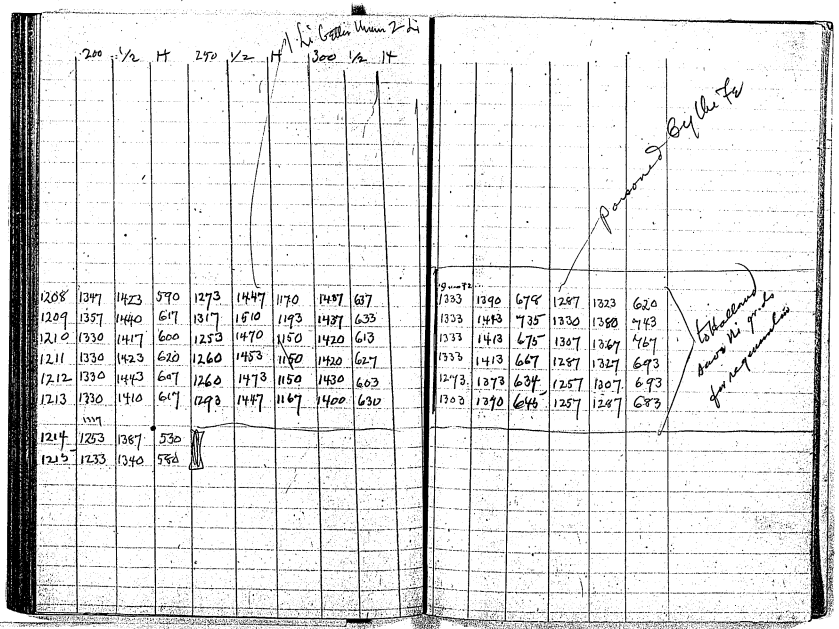
200	½	H		300				350	½	H	400	½	H
1178	1210	1390	447										
1179	1237	1390	417										
1180	1247	1410	517										
1181	1260	1393	490										
1182	1247	1377	453										
1183	1157	1347	460										
	1160												
1184	1333	1410	510	1363			1183	1443	537	1377	1423	525	1297	1370	657
1185	1350	1447	527	1357			1183	1490	537	1390	1443	577	1330	1397	643
1186	1360	1440	527	1357			1217	1453	540	1363	1420	532	1303	1347	557
1187	1333	1430	527	1303			1170	1490	567	1393	1450	577	1300	1350	557
1188	1400	1490	557	1380			1247	1520	597	1437	1513	660	1350	1390	620
1189	1333	1430	513	1313			1217	1487	550	1397	1457	630	1300	1390	670
	1351			1335											

Thus ahead of Land with 1164 at Land then Reg 1084 on Long run

Dollhead contact Hours (Middleton)

to Holland Save Market Report

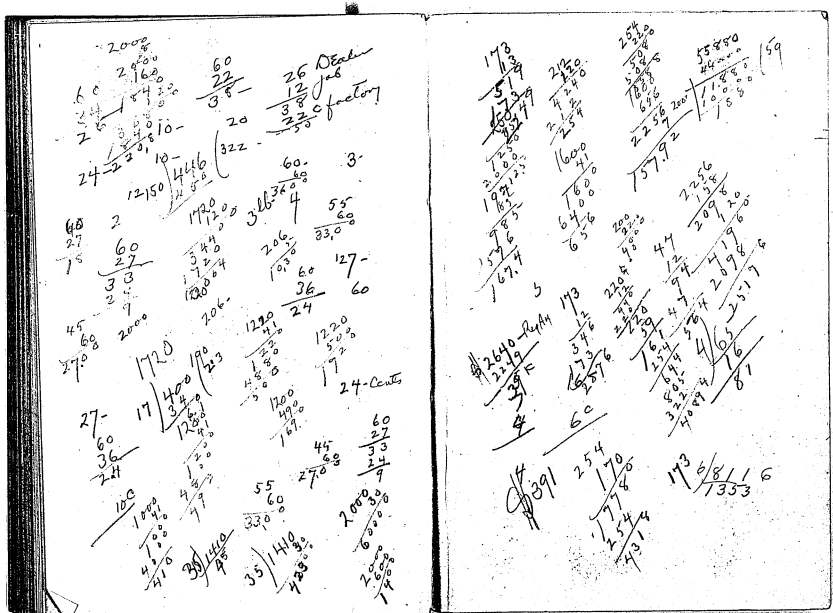
			50	½	H	100	½	H	150	½	H
Dup 1196	1199	1237	1260	1290	450						
21K 2Li 1 gm Benzoic acid	1200	1237	1290	1313	443						
	1201	1217	1277	1300	440						
439- 159 f	1202	1230	1237	1253	397	1233	1270	310	1263	1360	447
	1203	1240	1237	1250	440	1277	1307	353	1303	1377	490
21K 2Li after 50 mins Change to	1204	1230	1213	1230	410	1247	1273	310	1277	1363	460
plain 21K	1205	1240	1253	1270	438	1263	1310	343	1320	1470	513
Doubtful	1206	1230	1220	1237	400	1243	1263	380	1277	1377	490
	1207	1250	1237	1253	373	1283	1313	260	1333	1400	510
			1237			1241			1299		
Dup 1202	1208	1230	1203	1217	300	1220	1243	253	1273	1333	490
	1209	1250	1193	1210	313	1253	1277	220	1287	1360	493
21K 1 Li after 50 mins	1210	1243	1180	1187	290	1220	1240	250	1263	1343	450
Change to plain 21K	1211	1233	1173	1190	293	1217	1237	267	1263	1333	487
	1212	1250	1200	1213	290	1247	1263	240	1273	1356	473
Doubtful	1213	1233	1167	1180	297	1217	1257	260	1240	1327	487
			1166			1229			1266		
RQ. Ni best driven run 10 April	1214	1217	1167	1130	293	1180	1220	250	1177	1297	398
22 09- Silverdale 159	1215	1213	1120	1133	300	1177	1213	313	1183	1290	370
21K 2Li 7 860											
439 159	1216	1170	1173	1197	350				1010	1627	987
21K No Li 2 Benzoic acid	1217	1170	1187	1203	357				1217	1520	660
Dup 1216	1218	1237	1173	1253	367						
21K 2Li 3 Benzoic acid	1219	1227	1150	1247	387						


Li Cotton Mum 2 Li
200 1/2 H 250 1/2 H 300 1/2 H
1208 1347 1423 590 1273 1447 1170 1487 637
1209 1357 1440 617 1317 1510 1193 1487 633
1210 1330 1417 600 1253 1470 1150 1420 613
1211 1330 1423 620 1260 1453 1150 1420 627
1212 1330 1443 607 1260 1473 1150 1430 603
1213 1330 1410 617 1293 1447 1167 1400 630
1214 1253 1387 530
1215 1233 1340 580
Poonam Byke Fe
1333 1390 678 1287 1323 620
1333 1413 735 1330 1380 743
1333 1413 675 1307 1367 667
1333 1413 667 1287 1327 693
1273 1373 634 1257 1307 693
1303 1390 648 1257 1287 683
to Holland
Amro Ni price
for comparison

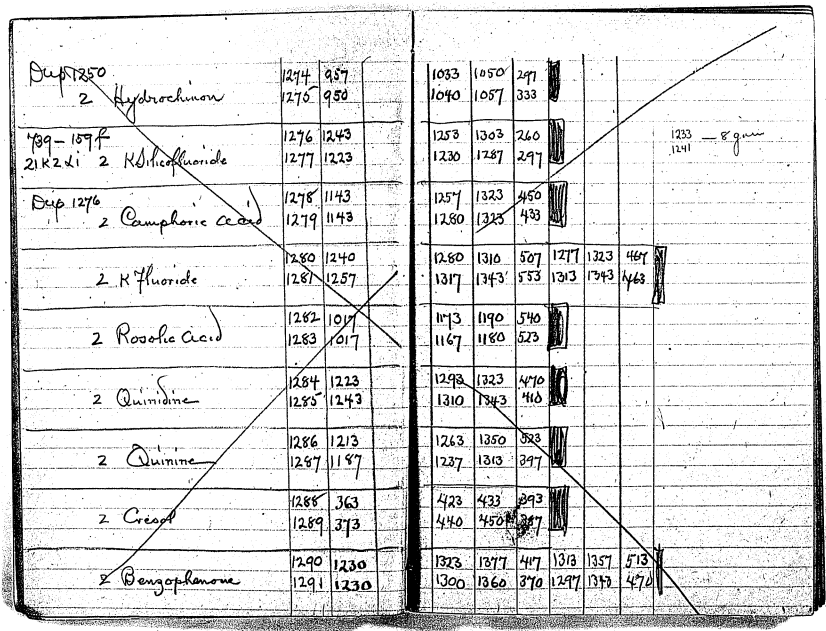
			50	½	ft				
Dup 1216	1220	1093	1127	1227	400				
4 gms Benzoic acid	1221	1090	1113	1223	433				
21K2Li									
Dup 1216	1222	997	927	970	207				
21K2Li 6 gms Benzoic acid	1223	1020	970	1000	210				
Dup 1216 -	1224	833	763	787	183				
21K2Li 15 gms Benzoic acid	1220	823	760	790	170				
739 – 159 f Coated with Arsenic (by reduction from As Boy in Conc NH4Cl Nickel) 270 - Bronze color dark	1226	1170	1187	1217	443				
21K2Li change left 50 T. 21K 7.4440	1227	1170	1207	1233	400				
Dup 1226	1228	1217	1210	1227	243				
Except flow 21K	1229	1213	1210	1223	190				
739 – 159 f	1230	1257	1300	1363	583	1340	1383	593	
21K2Li 2 Polak Chlorate 7360	1231	1260	1300	1347	563	1320	1363	580	
Dup 1230	1232	1098	1233	1260	553				
21K2Li 2 Citric Acid	1233	1090	1203	1240	520				
Dup 1230	1234	1163	1183	1203	473				
21K2Li 2 Oxalic acid	1235	1167	1237	1283	477				
2 Benzof	1236	1230	1250	1293	463				
	1237	1260	1283	1343	447				

Dup 1230	1238	1253		1087	1370	440
21K2Li 2 Mononitrobenzol-	1239	1253		1047	1383	437
739= 159f	1240	917		1153	1177	323
21K2Li 2 Resorcin	1241	910		1150	1173	340
Dup 1240	1242	1087		1193	1223	379
21K2Li 2 Succinic acid	1243	1163		1183	1207	373
Dup 1240	1244	1170		1207	1250	447
2 Amylalcohol	1245	1173		1217	1263	453
Dup 1240	1246	1023		1113	1143	453
2 Acetone	1247	1007		1077	1100	403
Dup 1240	1248	1080		1090	1147	390
2 Ethylalcohol	1249	1087		1147	1177	437
739 159f	1250	933		1087	1110	423
2 Methylalcohol	1251	937		933	1083	460
Dup 1250	1252	1100		600	1060	457
2 Formaldehyde	1253	1090		580	1170	423
Dup 1250	1254	990		1100	1110	370
2 Salicylic acid	1255	990		1100	1110	350

Dup 1250	1256	1220	1307	1343	373	1273	1323	547	
2 Cinnamic acid	1257	1227	1327	1360	360	1300	1359	557	
Dup 1250	1258	1223	173	1633	323				
2 Dinitrobenzine	1259	1213	130	1620	393				Notice to ½ V – 47.55
Dup 1250	1260	1190	158	1537	477				
2 Acetanilide	1261	1210	163	1510	510				
Dup 1250	1262	840	137	1427	510				
2 Picric acid	1263	260	130	1420	440				
Dup 1250	1264	1100	160	1200	457				
2 Tartaric acid	1265	1080	163	1200	447				
Dup 1250	1266	1247	1328	1380	437	1290	1357	520	
2 Phenanthrene	1267	1223	1323	1367	467	1290	1370	583	
Dup 1250	1268	1207	1340	1400	600	1143	1310	500	
2 Chloral Hydrate	1269	1210	1333	1398	543	1233	1313	573	
Dup 1250	1270	1217	1297	1367	517	1253	1310	500	
2 Piperin	1271	1230	1338	1387	410	1260	1313	573	
Dup 1250	1272	1063	583	827	213				
2 Benzidine	1273	1037	573	767	220				



Notebook, N-11-11-01.1


Dup 1250
2 Hydrochinon
1274 957
1276 950
1033 1050 297
1040 1057 333
789 - 1097
2 K2Li 2 K Silicofluoride
1276 1243
1277 1223
1253 1303 260
1230 1287 297
1233 — 8 gm
1241
Dup 1276
2 Camphoric acid
1278 1143
1279 1143
1257 1323 450
1280 1325 433
2 K fluoride
1280 1240
1281 1257
1280 1310 507 1277 1323 467
1317 1343 553 1313 1343 463
2 Rosolic Acid
1282 1017
1283 1017
1173 1190 540
1167 1180 523
2 Quinidine
1284 1223
1285 1243
1298 1323 470
1310 1343 413
2 Quinine
1286 1213
1287 1187
1263 1350 523
1237 1313 397
2 Cresol
1288 363
1289 373
423 433 893
440 450 887
2 Benzophenone
1290 1230
1291 1230
1323 1377 417 1313 1357 513
1300 1360 370 1297 1377 470

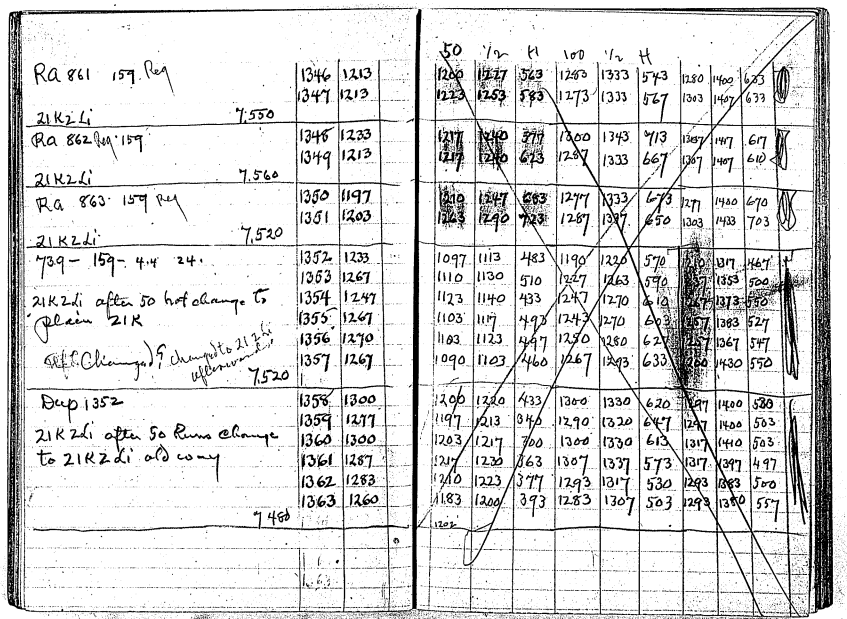
2 Monobromobenzene	1292	1217		1283	1333	370
	1293	1230		1297	1343	377
2 Carbazol	1294	1217		1297	1350	327
	1295	1223		1313	1360	347
2 Cresotinic acid	1296	1010		1117	1147	371
	1297	1013		1163	1167	327
2 Dimethylaminoazobenzene	1298	1200		1190	1360	440
	1299	1190		1227	1337	408
2 Trichlorophenol	1300	897		973	1037	350
	1301	927		1007	1067	420
2 Amidoazobenzene	1302	1207		1033	1150	293
	1303	1203		1207	1277	533
2 Dinitrotoluol	1304	1157		400	1460	340
	1305	1203		153	1500	453
2 Triacetylhydroquinone	1306	1027		947	953	430
	1307	950		907	913	403
2 Trichloride Carbon	1308	1227		1273	1317	507
	1309	1220		1257	1317	447

			50	½	H	100	½	Hot
2 Carbon Tetrachloride	1310	1220						
	1311	1273						
2 Mononitronaphthalene	1312	1248	1243	1327	393			
	1313	1250	1277	1350	363			
2 Phosphotungstic acid	1314	1183	1353	1530	883	1270	1567	1063
	1315	1180	1350	1573	973	1363	1516	1153
2 Benzonaphtol	1316	1223	1270	1343	493			
	1317	1210	1293	1307	410			
2 Nitroso beta Naphtol	1318	1183	1270	1323	327			
	1319	1180	1257	1337	373			
2 Anthraquinone	1320	1210	1303	1350	573			
	1321	1223	1303	1353	497			
2 Na Stannate	1322	1210	1253	1370	767	1267	1340	700
	1323	1207	1243	1290	557	1247	1340	570
Ra 852 159	1324	1190	1327	1370	517	1347	1390	460
	1325	1187	1300	1343	527	1326	1373	463
21KZL 7680								
Ra 853 159	1326	1207	1310	1347	477	1310	1357	457
	1327	1187	1310	1347	457	1307	1340	417
7630								

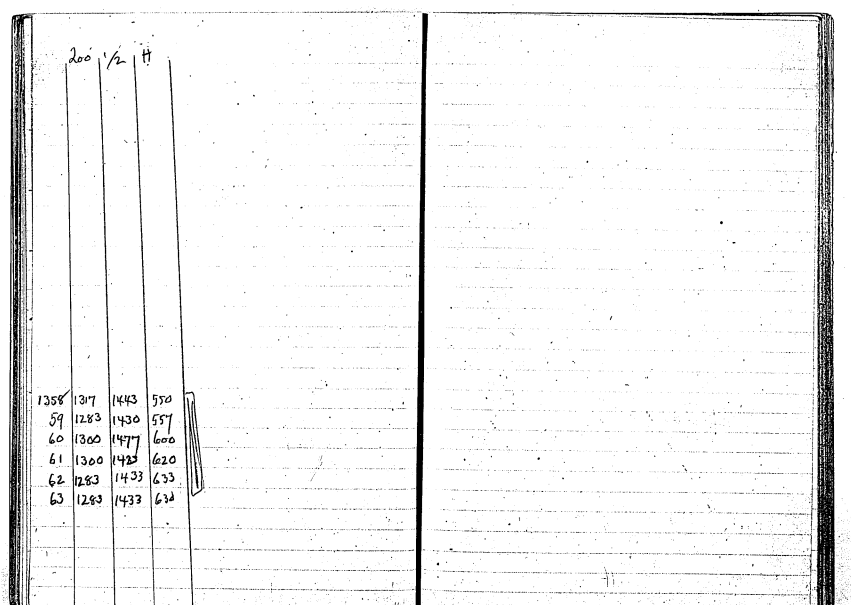
Note Hg with Hot ½ H

				50	½	H	100	½	H				
Ra 854 159 f 260	1328	1180		1250	1300	463	1273	1313	453	1240	1267	543	
	1329	1207		1307	1353	477	1320	1377	517	1300	1437	647	
7575													
Ra 855 159	1330	1220		1337	870	440	1336	1367	527				
	1331	1207		1307	1343	370	1290	1337	520				
7490													
Ra 856 159	1332	1180		1267	1310	373	1270	1317	560				
	1333	1207		1333	1370	410	1330	1377	573				
7500													
739 159	1334	1147		1070	1090	467							
21K2Li 2 Tellwicaeae	1335	1147		1047	1063	487							
Ra 1216 159 Heavy granular groups 21K2Li 8085	1336	967		1193	1240	383	1197	1220	467				
	1337	973		1197	1263	417	1203	1233	520				
Ra 857 159	1338	1170		1200	1233	660	1273	1320	660	1287	1373	667	
	1339	1170		1180	1210	647	1250	1307	660	1257	1373	660	
21K2Li 7820													
Ra 858 159	1340	1173		1207	1247	630	1260	1300	650	1287	1370	647	
	1341	1167		1173	1200		1250	1293	627	1277	1370	647	
7625													
Ra 859	1342	1167		1283	1260	647	1300	1340	650	1323	1447	707	
	1343	1167		1216	1237	627	1247	1290	573	1257	1387	630	
7572													
Ra 860 159	1344	1213		1293	1257	567	1283	1320	463	1293	1447	660	
7520	1345	1213		1293	1263	580	1287	1333	567	1293	1400	660	

				250	½	650			
1325	1277	1387	693	1233	1387	653	1167	1387	
1329	1347	1447	800	1333	1510	753	1300	1468	



Ra 861 159 Reg
21K2Li 7.550
Ra 862 Reg 159
21K2Li 7.560
Ra 863 159 Reg
21K2Li 7.520
739 - 159 - 4.14 24
21K2Li after 50 hot change to plain 21K
Diff Change 1/2 change to 21K2Li afternoon shift
7.520
Dep 1352
21K2Li after 50 Runs change to 21K2Li and carry
7.480



200	1/2	H	
1358	1317	1443	550
59	1283	1430	557
60	1300	1477	600
61	1300	1423	620
62	1283	1433	633
63	1283	1433	634

739 – flake 70 gram Lot
Bismuth – 46 24 –
21K2Li after 50 hot change
Dol to gleam 21K

Changed 59 \
7.685

1364	1317
1365	1307
1366	1300
1367	1317
1368	1317
1369	1317

Dup 1364. Biflake.
After 50 hot change To
21K 2Li old way

7680

1370	1310
1371	1300
1372	1300
1373	1300
1374	1283
1375	1300

739 – 159 f
4.2 f 35.8 green
After 50 Rune change To
Gleam 21K

7240

1376	1233
1377	1220
1378	1210
1379	1233
1380	1238
1381	1233

Dup 1376 – 4.2 35.8 g
21K2Li
After 50 Rune change To
21K2Li old way

7.210

1382	1240
1383	1250
1384	1253
1385	1250
1386	1253
1387	1247

50	1/2	H	100	1/2	Hot			
1467	1493	1077	1543	1650	1107			
1457	1487	1197	1543	1647	1133			
1473	1493	1003	1583	1640	1090			
1487	1510	967	1583	1660	1133			
1497	1520	963	1533	1653	1073			
1497	1517	950	1543	1643	1137			
			1545					
1520	1587	1087	1540	1650	1210			
1517	1580	683	1563	1620	1147			
1507	1567	1063	1527	1591	1137			
1530	1593	1150	1527	1613	1187			
1503	1557	1040	1513	1587	1190			
1503	1573	1130	157	1623	1203			
			5m					
1150	1160	360	1362	1380	540			
1110	1117	393	1307	1333	527			
1093	1103	317	1317	1340	527			
1107	1117	320	1310	1330	550			
1123	1133	333	1363	1380	553			
1140	1117	290	1293	1317	460			
1113			1325					
1183	1193	360	1277	1287	427			
1213	1223	353	1320	1340	473			
1197	1203	337	1317	1333	467			
1210	1220	300	1317	1337	460			
1187	1197	317	1303	1330	443			
1183	1197	263	1287	1303	470			
			1295					

	150			200	½	H	250	½	H	300	½	H	350	½	H			
1364	1400	1563	1117															
1365	1447	1563	997															
1366	1433	1567	1067															
1367	1447	1567	1143															
1368	1387	1547	1050															
1369	1417	1543	1120															
1370	1417	1590	1143	1380	1557	1247												
1371	1373	1553	1077	1370	1533	1210												
1372	1420	1563	1147	1377	1533	1180												
1373	1420	1553	1117	1327	1480	973												
1374	1420	1557	1073	1330	1497	1213												
1375	1413	1543	1017	1280	1487	983												
	1410																	
1376	1390	1460	430															
1377	1327	1393	457															
1378	1330	1387	470															
1379	1330	1380	557															
1380	1370	1410	623															
1381	1317	1367	650															
	1344											9 mu 70						
1382	1257	1333	577	1280	1363	533	1290	1427	733	1223	1420	737	1307	1373	627	1187	1233	650
1383	1333	1403	633	1343	1440	593	1323	1457	763	1260	1480	770	1320	1407	667	1183	1260	660
1384	1333	1400	650	1343	1440	587	1343	1463	703	1280	1473	753	1317	1380	677	1200	1260	660
1385	1347	1427	657	1313	1430	587	1323	1463	617	1237	1447	793	1293	1367	723	1217	1263	687
1386	1307	1383	617	1277	1393	567	1290	1447	597	1223	1437	733	1287	1363	680	1150	1217	677
1387	1253	1320	603	1260	1363	560	1280	1433	613	1213	1429	727	1283	1357	620	1183	1243	690
	1330			1303			1300			1229	1449	759	1301	1301	660			

6)7807
1301

739 - 70 gram Lot Burnette flake — 46 flake 35.8 green
After 50 Runs change to plain 21K

1388	1290
1389	1307
1390	1297
1391	1290
1392	1300
1393	1297

Dup 1388 Bi 70 ft 4.6 35.8
After 50 Runs change to 21K 2 Li old way

1394	1290
1395	1320
1396	1300
1397	1300
1398	1303
1399	1313

7.310

739 159
4.3 green 47.7
After 50 Runs change to plain 21K

1400	1213
1401	1220
1402	1213
1403	1203
1404	1213
1405	1207

Dup 1400 — 4.3 47.7
After 50 Runs change to 21K 2 Li old way

1406	1217
1407	1203
1408	1207
1409	1213
1410	1220
1411	1217

7.085

50	1/2	H	100	1/2	Hot	150	1/2	H
1427	1443	1433	1437	1500	950	1387	1450	1337
1433	1447	1080	1433	1497	717	1373	1447	1316
1420	1430	677	1437	1503	1100	1397	1480	1259
1430	1443	867	1440	1507	1077	1367	1430	1337
1423	1457	1070	1417	1500	1063	1367	1430	1240
1420	1430	1073	1443	1516	1047	1357	1433	1333
			1434			1374	1467	
1487	1520	983	1423	1517	1016	1387	1973	1283
1503	1530	970	1453	1530	1073	1363	1483	1383
1490	1517	973	1440	1503	910	1410	1480	1333
1503	1533	660	1393	1473	727	1417	1493	1283
1490	1523	997	1413	1503	1003	1343	1433	1283
1503	1533	1033	1413	1493	850	1387	1450	1273
			1414			1394		
1197	1207	440	1250	1257	567	1313	1390	623
1180	1187	430	1300	1333	550	1333	1407	603
1187	1193	467	1300	1333	667	1363	1433	623
1200	1210	570	1307	1350	690	1410	1470	620
1207	1217	643	1273	1310	717	1360	1443	607
1207	1217	593	1300	1360	753	1373	1450	600
1196	1206		1284	1359		1358	1432	
1280	1293	567	1283	1320	693	1333	1410	603
1290	1300	597	1267	1317	597	1363	1393	603
1270	1283	600	1297	1340	543	1373	1410	620
1267	1280	543	1267	1307	470	1360	1370	607
1273	1283	567	1287	1323	510	1337	1410	567
1290	1297	570	1293	1330	580	1360	1433	573
			1282			1324		

200	1/2	H	250	1/2	H	300	1/2	H
1388	1287	1383	1141	1210	1313	1158	1087	1200	1053
89	1310	1400	1170	1217	1323	1240	1057	1183	993
90	1313	1440	1143	1283	1380	1163	1103	1237	1000
91	1300	1430	1093	1210	1333	1210	1073	1210	1017
92	1340	1393	1127	1310	1427	1203	1147	1280	1043
93	1237	1333	1093	1183	1313	1037	1020	1127	943
	1248	6379		1257	6869		6249	6237	
		1396			1348		1388	1286	

1400	1283	1373	557	1280	1340	647	1183	1283	763
1401	1270	1383	570	1271	1367	727	1183	1327	737
02	1290	1423	607	1280	1380	677	1193	1327	733
03	1373	1440	613	1313	1453	727	1217	1373	710
04	1340	1460	610	1277	1437	623	1180	1370	670
05	1293	1437	593	1267	1473	613	1190	1400	670
	1304			1282			1174		

Burp formed. Flow 1/2 in

300	1/2	H
1167	1253	
1200	1271	
1187	1280	
1223	1330	
1133	1293	
1200	1320	
1165		

9 min

350	1/2	H
1227	1247	743
997	1057	720
1100	1180	530
1083	1123	537
1063	1140	557
987	1043	507
6417	6410	
1069	1731	

19

1193	1240	667
1210	1260	587
1193	1253	590
1203	1290	583
1120	1280	593
1153	1297	580
	1179	

6707²
1779

					100	½	ft	150	½	ft			
739 – 70 gram Cat Pb flake	1412	1240		1333	1340	783	1333	1383	813	1430	1507	877	
47 47.7 green	1413	1237		1307	1317	727	1310	1367	713	1433	1510	880	
End of 50 Runs change to	1414	1237		1337	1347	783	1363	1423	863	1440	1527	883	
Glam 21 K	1415	1237		1360	1370	1477	1390	1447	907	1413	1480	1233	
	1416	1243		1370	1373	780	1350	1400	820	1443	1497	1250	
7.136							1344			1432			
739 – 159 R	1417	1150		1150	1157	517	1213	1240	593	1277	1313	583	
44 59.7 green	1418	1147		1150	1157	517	1237	1260	573	1293	1337	610	
End 50 Runs change C.	1419	1150		1157	1163	520	1237	1260	563	1280	1323	580	
Glam 21 K	1420	1157		1143	1150	493	1250	1277	507	1280	1330	593	
	1421	1160		1130	1137	437	1243	1267	467	1280	1320	513	
Jump 6.	1422	1167		1130	1140	460	1247	1270	413	1277	1343	533	
6.862							1246			1281			
Dup 147	1423	1170		1233	1240	440	1277	1307	420	1253	1333	583	
End 50 Runs change C.	1424	1133		1230	1233	430	1290	1323	477	1260	1333	566	
21K 2 h off coal	1425	1113		1227	1233	503	1260	1290	487	1253	1313	513	
	1426	1140		1220	1227	540	1273	1307	477	1290	1343	527	
	1427	1113		1213	1217	490	1267	1307	453	1257	1310	530	
	1428	1157		1230	1237	493	1310	1367	483	1253	1330	547	
6.780							1278	1316		1241	1327		
RA 864 Bag 42 23.9	1429	1150		1250	1267	277	1257	1303	683	1250	1347	667	
271	1430	1150		1233	1250	800	1277	1317	663	1280	1353	660	
Screening bad screening 7.360													
RA 865 Bag 159 42 23.9 271	1431	1170		1243	1263	327	1283	1327	897	1267	1360	623	
7.300	1432	1153		1250	1267	373	1280	1327	577	1293	1377	580	

300	1/2	H	750	1/2	H	300	1/2	H
1412	1337	1477	1067	1267	1440	1103	1127	1327	693
13	1353	1480	983	1310	1500	1090	1190	1360	727
14	1363	1487	1090	1273	1450	1067	1150	1327	690
15	1323	1450	1123	1267	1437	1100	1123	1273	780
16	1357	1473	1220	1300	1463	1163	1163	1303	823
	1342			1256			1152		
1423	1236	1340	627	1233	1360	63	1057	1247	697
24	1243	1373	671	1200	1371	633	1053	1241	650
25	1198	1347	680	1200	1333	637	1050	1233	667
26	1288	1333	700	1273	1350	658	1123	1247	697
27	1257	1337	713	1230	1333	667	1097	1227	727
28	1233	1323	707	1220	1327	627	1097	1237	677
	1243			1226			1078		

Drop 300 from 1/2 feet pull in next Ft.

9 inch

300	1/2	H.	350			
1207	1377					
1247	1413					
1237	1397					
1167	1333					
1220	1347					
1180						
1057	1170		.9			
1053	1203		1068	1153	653	
1007	1187		1023	1120	630	
1143	1247		983	1133	623	
1117	1220		1083	1177	637	
1080	1203		1080	1170	630	
1076			1060	1143	640	

C10

Dens. Comple Cube count See the recently Microscope

				50	½	H	100	½	¼			
Ra 866 159 - Expt	1433	1077		1147	1170	330	1190	1247	400	1230	1347	433
4.2 24.2	1434	1140		1197	1217	330	1273	1317	407	1330	1433	483
8.200												
Ra 867 - Req	1435	1130		1223	1243	400	1273	1313	463	1280	1380	543
4.2 24.1	1436	1153		1253	1273	430	1293	1337	407	1293	1397	573
7.375												
Ra 868 159 Req	1437	1170		1293	1320	473	1337	1373	487	1317	1420	553
2/16	1438	1173		1266	1280	363	1277	1317	457	1280	1403	517
7.452												
Ra 869 159 Req	1439	1140		1250	1270	383	1270	1313	473	1280	1373	477
274	1440	1157		1283	1307	377	1283	1337	543	1317	1443	566
7.515												
Ra 870 159 - Req	1441	1190		1273	1290	350	1293	1340	547	1300	1407	490
	1442	1193		1260	1280	420	1273	1347	570	1300	1460	503
7.425												
739 - 159 - 4.4 - 702 green	1443	1010		1217	1227	383	1193	1213	523	1187	1277	540
	1444	1050		1217	1223	323	1197	1220	573	1187	1300	560
after 50 Runs change Co	1445	1060		1257	1267	450	1240	1257	557	1230	1297	530
(plain 21K - dust change)	1446	1010		1227	1237	420	1193	1203	590	1153	1243	577
to 21K2.1 4.5	1447	1047		1237	1247	420	1203	1227	577	1227	1267	563
6.932	1448	1030		1247	1257	450	1183	1230	550	1213	1287	597
				1234			1201					

Dup 1443 –
44 70.2
after 50 Runs change to
21K2Li old way

6,932

739 – 2Lb Lot Bismuth ℞
4.6 70.2 green
℞ Reg

6970

Dup 1456 Reg
after 50 change to
21K2Li old way

6,990

		1449	1043								
		1450	1053								
		1451	1027								
		1452	1020								
		1453	1057								
		1454	1020								
		1455	1073								
		1456	1040								
		1457	1057								
		1458	1050								
		1459	1077								
		1460	1033								
		1461	1057								
		1462	1063								
		1463	1043								
		1464	1040								
		1465	1077								
		1466	1057								

50	½	H	100	½	H	150	½	H
1220	1230	400	1203	1230	480	1203	1277	570
1230	1240	377	1210	1233	447	1207	1310	547
1237	1247	423	1210	1230	523	1230	1287	553
1217	1227	353	1207	1230	517	1200	1280	550
1240	1250	400	1220	1240	583	1230	1303	567
1230	1237	423	1207	1227	593	1173	1247	557
			1209	1227		1209	1284	
1293	1293	523			687			
1250	1257	523			687			
1250	1257	527			690			
1250	1257	527			690			
1293	1303	537			697			
1267	1277	537			690			
1267	1277	543	1167	1170	697	1257	1320	893
1290	1297	543	1217	1247	687	1267	1313	760
1280	1287	637	1190	1233	670	1237	1300	793
1300	1307	667	1183	1230	820	1247	1307	783
1280	1290	453	1173	1189	607	1317	1367	817
1297	1303	530	1187	1207	693	1200	1377	963
			1166			1249		

	200	½	H	250	½	H
1449	1180	1253	777	1091	1200	700
50	1143	1280	753	1060	1200	690
51	1163	1253	747	1067	1177	690
52	1140	1260	733	1033	1160	580
53	1187	1287	663	1053	1200	587
54	1137	1240	687	1040	1170	613
	1159			1056		
1461	1150	1243	827	1057	1197	797
62	1227	1323	843	1180	1343	1007
63	1193	1323	923	1100	1233	1067
64	1233	1383	970	1150	1277	1003
65	1243	1343	957	1180	1330	813
66	1190	1350	1023	1040	1180	983
	1186			1118		

19 Jan 91

	300	½	H	350		
	1003	1127	600	983	1083	543
	943	1130	603	933	1080	547
	948	1097	607	933	1043	577
	930	1067	570	850	1003	550
	927	1117	587	900	1020	537
	963	1120	597	887	1017	523
	1020	1160	610			
	1030	1160	620			
	1007	1140	603			
	1017	1147	660			
	1060	1170	597			
	963	1100	557			

739 – 2 lb hot Bi flake –	1467	1207
4.6 – 60.3 green.	1468	1200
Reg	1469	1207
~~After 50 Revs change to place 21K~~	1470	1217
	1471	1213
	1472	1210
7.050		
Dup 1467 –	1473	1197
Reg	1474	1193
After 50 Revs Change to	1475	1200
21K2Li old way	1476	1193
	1477	1207
	1478	1170
7.030		
739 2 lb hot Bi	1479	1270
4.6 – 48 green	1480	1257
	1481	1260
Change after 50 to 21K2Li	1482	1250
Same as allway –	1483	1257
	1484	1267
7.220		

These finished 739 green

50			100			150		
1370	1377	530	1273	1290	693	1367	1437	1000
1340	1413	647	1323	1343	813	1410	1463	960
1373	1373	650	1300	1330	953	1393	1467	1083
1383	1400	637	1320	1350	700	1387	1483	900
1390	1403	630	1326	1350	720	1353	1517	1040
1393	1407	543	1330	1353	747	1410	1483	983
			1311			1387		
1380	1390	530						
1373	1390	499						
1360	1383	547						
1350	1370	593						
1393	1397	790						
1357	1370	823						
1463	1487	747	1460	1500	887	1410	1607	1060
1483	1500	780	1430	1513	970	1420	1633	1087
1463	1477	783	1433	1503	943	1470	1590	1137
1487	1500	707	1433	1507	890	1487	1610	1143
1483	1543	960	1493	1570	1013	1377	1600	1090
1487	1497	677	1430	1490	817	1447	1637	1147
			1436			1435		

200			250			
1467	1337	1460	1067	1163	1330	1033
68	1300	1493	1003	1160	1327	980
69	1280	1443	1037	1130	1300	1020
70	1300	1537	1017	1217	1140	1060
71	1250	1460	1057	1150	1327	1057
72	1337	1507	1047	1237	1400	1060
	1301					
1479	1360	1613	1063	1270	1463	1103
80	1333	1553	1080	1223	1420	1127
81	1340	1537	1073	1147	1400	1103
82	1253	1550	1090	1170	1367	1130
83	1300	1513	1077	1217	1390	1023
84	1357	1573	1100	1247	1447	1057
	1314			1212	1398	

300	½	H
1017	1170	717
1080	1263	740
983	1150	610
1097	1270	733
1003	1193	650
1143	1317	627
1187	1433	
1147	1350	
1107	1273	
1083	1263	
1197	1400	
1143	1297	
1144	1334	

3 lines

Jhs mill [illegible] pg green 2 more lines

RA 1164 Expmt
2 CC Lot Bismuth flakes
4.6 23.9 green

Run Regular -
21K2Li 8.430

1485	1000
1486	1010
1487	970
1488	1040
1489	1003
1490	1043

RA 1165
2 CC Lot Bismuth.
4.6 23.8
Run Reg —
8.375 -

1491	1047
1492	1060
1493	1077
1494	1047
1495	1067
1496	1053

RA 1201
2 CC Lot B:
4.6 23.9 - Run Reg
7.920

1497	1057
1498	1067
1499	1087
1500	1080
1501	1090
1502	1077

100 1/2 14

1330	1480	477	1283	1507	600	1350	1560	660
1403	1527	583	1367	1597	673	1483	1620	783
1273	1457	420	1197	1503	520	1267	1553	627
1423	1550	603	1353	1593	580	1500	1640	877
1390	1547	507	1353	1643	623	1427	1690	1090
1473	1593	660	1433	1667	683	1517	1633	1147
1385			1331			1454		
1330	1443	523	1387	1523	920	1467	1543	1040
1363	1490	573	1423	1567	923	1483	1573	1033
1350	1480	517	1423	1557	943	1423	1577	833
1290	1447	500	1293	1447	747	1333	1483	690
1330	1470	510	1297	1477	760	1383	1560	757
1330	1457	520	1297	1457	703	1367	1497	700
1334			1367			1429		
1460	1540	517	1367	1567		1423	1623	753
1460	1527	476	1357	1569		1433	1633	800
1463	1587	553	1397	1700		1507	1687	817
1420	1557	510	1397	1627		1477	1680	910
1420	1517	447	1370	1553		1447	1693	783
1387	1567	473	1310	1547		1379	1667	813
			1366			1446		

200	1/2	H	240	1/2	H
1485	1373	1627	793	1383	1613	880
86	1540	1757	1060	1450	1620	1059
87	1377	1623	817	1333	1637	761
88	1560	1802	1113	1427	1533	1060
89	1587	1767	1133	1380	1490	1137
90	1540	1767	1047	1427	1530	1160
1491	1457	1620	1043	1293	1416	1163
92	1483	1643	1087	1373	1503	1077
93	1403	1583	967	1370	1533	1127
94	1450	1643	1020	1400	1553	1107
95	1457	1683	1063	1393	1583	1107
96	1377	1577	977	1333	1473	997
1497	1413	1660	820	1390	1603	980
98	1413	1677	880	1390	1620	920
99	1500	1747	1083	1440	1630	1130
1500	1500	1780	1065	1423	1633	1127
01	1450	1810	1040	1423	1663	1077
02	1387	1677	830	1400	1647	1027

X Bushy Spot

Need 350

300	1/2	H	9	1/2	H
1400	1577	827	1367	1410	850
1327	1477	947	1263	1323	767
1437	1563	837	1433	1470	827
1350	1443	877	1257	1317	663
1190	1290	630	1090	1133	760
1343	1443	1047	1240	1247	620
1207	1333	753			
1293	1400	780			
1323	1427	883			
1327	1433	827			
1320	1407	850			
1247	1367	690			
1337	1530	760			
1370	1541	767			
1383	1527	1143			
1387	1543	963			
1333	1600	873			
1383	1513	837			

S 3 plants
S 6 " 1 R
S 6 plants
S 7 "
S 6 "
S 7 "

Bad Spot 1 R
3 R
Bad Spot
2 R
2 R

Notice Simple Tampo

719-4 h-
4.4 23.9

Flake 2 lb Lot Bi treated
248-simple Tamp

21 K 2 Li Dump grass below fe Clean Tamp
Run Req

7408

Dup 1503. 159 f
273 simple Tamp
Run Req-

21 K 2 Li 4- 23.9
Dump grass below fe Clean Tamp

719-4 h-
2 lb Lot Bi f 4.4 36 grsm
187 simple Tamp
Run Req

Dump grass f Clean Tamp

7.295

	1503	1283
	1504	1283
	1505	1283
	1506	1260
	1507	1283
	1508	1260
	1509	1150
	1510	1157
	1511	1143
	1512	1147
	1513	1143
	1514	1147
	1515	1267
	1516	1283
	1517	1303
	1518	1280
	1519	1280
	1520	1277

50	½	H	100	½	H	150	½	H
1500	1567	603	1467	1647	907	1413	1680	920
1503	1570	573	1460	1623	880	1477	1690	927
1500	1570	537	1427	1613	747	1410	1667	840
1463	1557	537	1333	1623	627	1240	1577	683
1503	1600	597	1460	1653	693	1327	1650	770
1463	1567	597	1360	1637	640	1300	1660	733
			1414			1393		
1150	1193	300	1140	1240	327	1173	1283	423
1163	1213	333	1123	1240	347	1183	1293	400
1127	1170	300	1097	1220	343	1173	1267	400
1157	1197	287	1150	1250	347	1177	1283	433
1147	1187	307	1130	1237	353	1153	1267	407
1153	1190	267	1160	1227	293	1183	1273	407
1149			1132			1174		
1493	1553	593	1463	1640	887	1427	1600	963
1503	1563	630	1473	1613	757	1473	1630	947
1467	1517	600	1440	1643	763	1453	1630	930
1503	1583	587	1447	1640	900	1427	1583	993
1467	1527	547	1417	1587	723	1413	1590	917
1487	1543	587	1440	1560	762	1470	1583	800
1495			1442			1427		

	200	4/2	H	250	4/2	H
1503	1420	1733	1090			
04	1383	1703	1010			
05	1400	1733	917			
06	1257	1647	820			
07	1440	1690	1057			
08	1343	1587	877			
	1374					
1509	1207	1373	550	1133	1277	663
10	1217	1390	553	1133	1297	583
11	1203	1373	510	1090	1277	497
12	1207	1383	500	1117	1300	483
13	1200	1367	520	1117	1277	513
14	1200	1393	507	1133	1300	563
	1197			1121		
1515	1450	1630	930	1333	1513	1160
16	1500	1713	1050	1430	1577	1170
17	1483	1707	1053	1400	1563	1240
18	1443	1613	1073	1370	1540	1253
19	1443	1653	1020	1370	1567	1080
20	1400	1627	1000	1340	1560	1163
	1453					

					month 9					
300										
1317	1563	1080		1233	1340	777	spec 4 plates			
1477	1687	1283		1297	1380	953	"			
1333	1557	873		1250	1363	763	"			
1230	1533	760		1343	1410	700	"			
1400	1617	1160		1210	1330	783	"			
1340	1523	720		1370	1433	550	"			
1350										
1247	1257	393								
1258	1280	463								
1213	1277	460								
1253	1280	517								
1250	1267	580								
1260	1287	560								
9 rods				9						
1293	1370	910		1117	1227	693	873 R 978	1103	657	
1147	1490	1070		1127	1227	743	983 X5	1117	680	
1343	1467	1127		1057	1163	800	977 A5	1080	723	
1360	1503	1120		1130	1223	843	1100	1207	767	
1413	1580	1063		1140	1263	797	1117	1267	753	
1310	1433	967		1157	1287	749	1073 X6	1213	703	
1356										

6 81 36
1356

				50	½	H	100	½	H	150	½	H
Dup 1515 159 f 719	1521	1190		1193	1220	300	1257	1297	340	1247	1337	443
	1522	1187		1193	1223	290	1253	1297	330	1233	1327	400
4.4 36 green	1523	1183		1160	1187	280	1187	1290	333	1217	1313	400
Run Reg 180 single temp	1524	1203		1190	1217	317	1257	1287	357	1233	1307	410
Dumping Run off Run temp	1525	1190		1207	1240	360	1250	1343	377	1283	1347	427
7.142	1526	1203		1213	1240	383	1287	1333	357	1260	1363	443
				1192			1274			1245		
719 4 h	1527	1240		1423	1453	490	1447	1493	650	1487	1530	987
2 Ub Lot Bi flakes	1528	1250		1433	1467	560	1420	1520	650	1447	1513	973
4.4 48 green 137 single temp	1529	1250		1443	1497	667	1463	1583	810	1447	1550	1007
Run Reg Dumping Run off Run temp	1530	1247		1420	1463	610	1440	1547	760	1487	1583	967
	1531	1257		1430	1467	507	1423	1533	710	1447	1597	967
7.122	1532	1257		1440	1447	510	1423	1510	713	1447	1567	967
				1421			1431			1444		
Dup 1527 159 f	1533	1243		1260	1270	371	1300	1330	400	1290	1367	550
	1534	1210		1250	1260	333	1300	1353	397	1320	1387	607
4. 48 green 141 single temp	1535	1227		1257	1280	383	1310	1347	407	1297	1380	773
Dumping Run off Run temp	1536	1223		1257	1273	333	1310	1357	340	1323	1403	650
Run Reg	1537	1223		1257	1273	367	1303	1370	350	1310	1367	500
	1538	1197		1247	1260	383	1303	1343	323	1310	1387	487
				1254			1304			1308		
Ra 871 159 Reg	1539	1113		1250	1270	503	1310	1440	460			
Run Reg	1540	1153		1253	1267	520	1330	1370	433			
7500												
Ra 872 159	1541	1197		1257	1273	483	1307	1353	427			
Run Reg Reg 7.192	1542	1202		1266	1273	460	1313	1350	423			

	240	½	H	250	½	H
1521	1263	1427	587	1150	1327	620
22	1260	1400	563	1133	1300	527
23	1270	1390	617	1133	1300	587
24	1260	1403	627	1077	1317	573
25	1290	1443	637	1177	1350	613
26	1290	1447	667	1160	1353	660
	1271			1138		
27	1467	1647	1110	1333	1490	1050
28	1500	1683	1123	1357	1503	1033
29	1447	1620	1167	1307	1480	1097
30	1450	1633	1110	1317	1467	1093
31	1460	1643	1073	1357	1507	1107
32	1463	1693	1077	1333	1517	1053
	1448			1336		
1533	1307	1440	607	1200	1317	648
34	1307	1477	613	1247	1343	660
35	1307	1457	663	1233	1323	643
36	1354	1503	627	1240	1378	670
37	1307	1467	627	1207	1353	657
38	1350	1463	660	1270	1370	697
	1322			1240		
1539						
40						

800	300	½	H	350	½	H	400	½	H
1143	1247	1300	663	1190	1260	650	1157	1240	600
1143	1220	1293	687	1157	1253	647	1140	1223	553
1167	1240	1267	690	1177	1250	643	1140	1217	537
1143	1213	1267	670	1187	1233	640	1147	1177	547
1183	1240	1330	647	1227	1280	690	1156	1223	540
1143	1223	1300	650	1187	1253	703	1120	1207	590
1164	1230	1293		1174	1255				0
1180	1250	1330	903	1170	1183	793			0
1227	1300	1387	1010	1077	1157	810			
1300	1370	1460	1167	1067	1170	803			
1220	1290	1370	1060	1000	1107	720			
1300	1360	1433	1093	1037	1157	943			
1307	1373	1460	1087	1047	1200	757			
1252	1324	1407		1046	1162				
1140	1200	1250	770	1140	1223	697	1027	1117	627
1167	1213	1297	747	1157	1243	727	1027	1173	660
1143	1200	1247	697	1117	1223	707	1037	1150	633
1137	1200	1280	653	1060	1200	657	1010	1127	630
1147	1247	1290	660	1170	1243	660	1057	1157	650
1150	1217	1270	767	1113	1223	637	1053	1167	650
1151	1206	1276		1118	1234				

1521	1150	1250	683	
22	1113	1233	683	
23	1120	1243	691	
24	1113	1197	693	
25	1130	1234	693	
26	1090	1223	673	

1533	1000	1127	727	
34	1087	1167	703	
35	1013	1140	703	
36	977	1103	757	
37	1060	1163	700	
38	1023	1167	707	

Ra 873 159	1543	1257	
	1544	1257	
Run Reg 7411			
Ra 874 159	1545	1270	
	1546	1220	
Run Reg 7430			
Ra 875	1547	1230	
	1548	1237	
Run Reg			
Ra 876- 159 2 mins	1549	1220	
278 D	1550	1243	
Run Reg 7.400			
Ra 1220 159	1551	1197	
274 D 7.415	1552	1193	
Run Reg			
Ra 1224- 159	1553	1210	
258	1554	1193	
7.145			
Dep 1521 Except 864 Ni	1555	1237	
4 f 159 - 36.59 1 min	1556	1227	
premium of Run Temp - 1440 sig fig	1557	1217	
	1558	1250	
Run Reg	1559	1253	
6.992	1560	1237	

50	1/2	11	100	1/2	17	150	1/2	11
1283	1297	460	1333	1380	430			
1287	1307	380	1323	1373	413			
1300	1313	383	1340	[illegible]	[illegible]			
1273	1290	340	1307	[illegible]	[illegible]			
1283	1300	567	1317	1360	497			
1274	1293	453	1317	1373	447			
1280	1297	450	1340	1377	433			
1273	1290	350	1310	1360	393			
1240	1253	350	1303	1347	403	1310	1410	480
1217	1233	357	1290	1340	383	1310	1393	473
1237	1247	347	1270	1298	500	1347	1410	470
1200	1217	353	1220	1253	433	1297	1397	480
1307	1323	430	1327	1360	500	1347	1490	643
1313	1333	440	1327	1347	463	1327	1433	573
1273	1297	433	1270	1310	440	1290	1393	580
1347	1367	457	1343	1373	493	1377	1467	647
1317	1343	437	1327	1360	490	1350	1440	607
1313	1333	450	1327	1347	503	1350	1433	603
1312	1332		1320	1353		1357	1453	

200 1/2 H 250 1/2 H

1553	1383	1540	633	1347	1493	637
54	1287	1533	643	1250	1458	610
1555	1287	1583	800	1337	1470	767
56	1310	1537	767	1270	1417	693
57	1267	1490	720	1227	1393	633
58	1363	1577	767	1317	1473	713
59	1330	1600	683	1253	1413	657
60	1233	1617	690	1273	1453	643
	1298	1567		1280	1436	

300 B 1/2 H,

Halland will try Stevens to Grey Coach

1V	.9V	1/2	H	.9	1/2	H		
1147	1267	1433	717	1123	1317	710	1057	1217
1167	1267	1390	820	1147	1327	670	1057	1247
1167	1267	1387	823	1140	1303	667	1083	1227
1200	1300	1430	880	1150	1340	713	1007	1247
1150	1303	1430	700	1180	1330	663	1077	1247
1200	1300	1400	847	1180	1347	717	1053	1217
1172	1283	1412	798	1153	1327	690		

			50		100		150			
Dup of 1515 Except .854 mi	1561	1350	1507	1537	709	1473	1547	823	1423	1567	1157
2 lb Lot Bi f 44 36.5 green	1562	1347	1493	1527	473	1430	1500	807	1403	1573	1130
Dump green Mean Temp 170 D 1 mac	1563	1327	1480	1587	473	1430	1500	833	1410	157	1190
Rerun 129	1564	1333	1473	1500	660	1480	1523	933	1437	1587	1193
	1565	1330	1467	1500	747	1430	1497	820	1407	1513	1157
7.047	1566	1340	1493	1523	757	1430	1513	867	1407	1513	1190
			1483			1437			1446		
854 - 2 lb Lot Bi 4.4 36.5 1 mac	1567	1347	1504	1537	780	1447	1523	827	1450	1523	1220
Dump green Mean Temp 176 Mean Temp 7.120	1568	1330	1490	1507	627	1420	1507	727	1433	1503	1123
	1569	1337	1493	1543	743	1430	1477	880	1423	1573	1158
Dup 1567 Except 21K 1 Li 173 D	1570	1257	1387	1402	450						
	1571	1250	1383	1393	430						
Dump 9 Mean Temp Mean Temp 7.000	1572	1270	1460	1407	467						
Dup 1567 Except 21K 3 Li	1573	1313	1393	1477	927	1187	1313	1000			
	1574	1327	1393	1490	910	1007	1473	1000			
Green Mean Temp 173 D 7.020	1575	1327	1427	1483	1163	1007	1483	1207			
Dup 1567 Except 21K 4 Li 175 D	1576	1370	1333	1373	1260	1097	1297	1167	967	1223	973
	1577	1370	1407	1443	1283	1013	1250	1250	910	1133	933
Green Mean Temp 7.020	1578	1367	1267	1410	993	1040	1090	1120	883	903	727

	200			250		
1561	1437	1647	1110	1333	1557	1110
62	1437	1637	1010	1367	1550	1073
63	1437	1633	1163	1333	1520	1100
64	1453	1647	1133	1343	1550	1100
65	1397	1633	1223	1343	1527	1100
66	1433	1633	1057	1360	1543	1100
	1432			1347		
1567	1433	1600	1113	1327	1507	1073
68	1463	1700	1187	1420	1607	1087
69	1453	1631	1140	1377	1547	1173
1573	1177	1390	1633	847	1187	943
74	580	1460	1027	300	1360	1243
75	530	1450	1080	267	1380	1130

	300				350	½	H		400			
	IV	.9	½	H	.9	½	ft		.9	½	ft	
	1343	1433	1560	1090	1120	1243	767		933	1060	697	
	1367	1453	1587	1100	1230	1357	677		1013	1127	680	
	1327	1400	1500	1013	1160	1250	727		893	990	663	
	1253	1400	1553	1010	1330	1433	760		1027	1179	743	
	1300	1400	1500	1067	1233	1373	700		947	1083	700	
	1367	1400	1507	1087	1260	1410	733		1000	1153	703	
		1444	1526		1212	1344						
	1150	1307	1427	1017								
	1347	1443	1590	117								
	1283	1390	1540	1023								

to Hallam gave 1/2 qm regulum

1561	1127	1260	777
62	1187	1263	803
63	1063	1217	953
64	960	1117	900
65	1287	1390	990
66	1253	1340	897

Old way loading only the lamp counted for 9 ft coloring Rest Lamps + Lamps Rig old way was really 340 lamps

Dup 1567 Except
25% K 1 Li 36 green
Dump green in ft 172 D
Run Lamps 7056

1579	1330	
1580	1293	
1581	1293	

Dup 1567
25K 2 Li 36 green
175 D

1582	1353	
1583	1390	
1584	1383	

Dup 1567
25 K 3 Li 36 green
172 D

1585	1443	
1586	1443	
1587	1453	

Dup 1503 Except 854
2 Lt Lot Bi ft 44 - 23.9
266 D
Run Reg 133
Dumped green then flake then Lamps
7447

1588	1313	
1589	1337	
1590	1337	
1591	1307	
1592	1340	
1593	1327	

Dup 1509 Except 854 in
159 ft 42 23.9
Run Reg 5 5 5 1 1
Dump green then flake then Lamps
7440

1594	1203	
1595	1200	
1596	1227	
1597	1197	
1598	1190	
1599	1207	

50	1/2	H	100	1/2	H	150	1/2	H
1423	1443	763	1457	1497	563	1503	1613	677
1410	1423	767	1458	1490	597	1490	1567	600
1387	1403	510	1430	1447	567	1447	1580	560
1407			1447			1490		
1460	1567	880	1387	1627	1070	1250	1567	1100
1483	1567	920	1380	1640	1103	1280	1503	1080
1503	1583	940	1430	1700	1120	1320	1640	1150
1407	1503	1050	1270	1487	1267	1063	1227	1033
1350	1447	1230	1093	1297	1191	953	1027	777
1340	1400	1047	1200	1297	1200	950	1020	890
1470	1533	710	Cancelled 1543		890	1293	1583	993
1497	1550	940	1487	1563	863	1373	1597	840
1497	1563	800	1427	1578	1067	1397	1603	1100
1477	1543	807	1387	1563	967	1387	1633	933
1497	1543	877	1450	1567	1017	1347	1647	1107
1470	1517	863	1423	1570	993	1410	1647	1077
1494			1418			1364		
1257	1300	807	Cancelled 1220	1287	613	1230	1860	610
1240	1277	330	1216	1253	588	1200	1317	563
1257	1317	347	1220	1267	560	1230	1367	537
1240	1277	350	1203	1253	550	1187	1347	570
1240	1277	383	1200	1253	530	1187	1327	557
1257	1310	413	1207	1273	533	1207	1353	640
			6 7260			6 7210		
			7260			7210		

1579	1473	1577	800	1387	1537	857	
80	1467	1593	817	1387	1567	817	
81	1460	1607	817	1407	1560	797	
	1467			1384			
82	1310	1500	1267	1227	1430	1203	
83	1233	1387	1190	1127	1297	1150	
84	1253	1503	1203	1137	1380	1133	
85	997	1077	1027	890	987	720	
86	890	957	810	790	943	717	
87	873	923	807	770	810	687	
1588	1370	1680	1167	1383	1693	1160	
89	1430	1660	1260	1433	1663	1193	
90	1383	1603	1170	1300	1513	953	
91	1413	1653	1200	1360	1663	1013	
92	1443	1630	1147	1363	1607	1037	
93	1457	1643	1210	1367	1587	1007	
	1446			1311			
94	1200	1420	777	1200	1413	693	
95	1163	1383	743	1100	1417	680	
96	1233	1393	730	1177	1397	683	
97	1157	1093	687	1130	1383	600	
98	1130	1393	606	1110	1383	613	
99	1177	1427	560	1143	1410	657	
	1060						
	1140						

300 ← 350 ½ H 400 ½ H

½	.9	½	H	.9		.9	½	H
1357	1427	1470	817	147	1450	637	1130	1227	580
1383	1460	1497	890	1407	1440	633	1193	1367	587
1410	1467	1493	827	1450	1477	620	1210	1420	597
1383	1454			1405					
1530	1623	1700	1210	1450	1577	773	1380	1483	527
1527	1613	1693	1127	1393	1530	671	1287	1377	773
1407	1473	1560	1117	1297	1450	570	1263	1397	833
1457	1530	1680	1057	1377	1503	673	1373	1480	847
1473	1527	1607	733	1447	1470	693	1243	1387	847
1430	1500	1593	893	1343	1477	547	1290	1440	863
1431	1544			1314			1298		
1243	1313	1367	740						
1227	1277	1357	700						
1236	1290	1353	663						
1217	1280	1330	547						
1133	1243	1307	600						
1233	1313	1367	700						
1214									

Lobellana
Smooth w/ Thin
Leaf Spathe

Wattles always marked dumps not temps

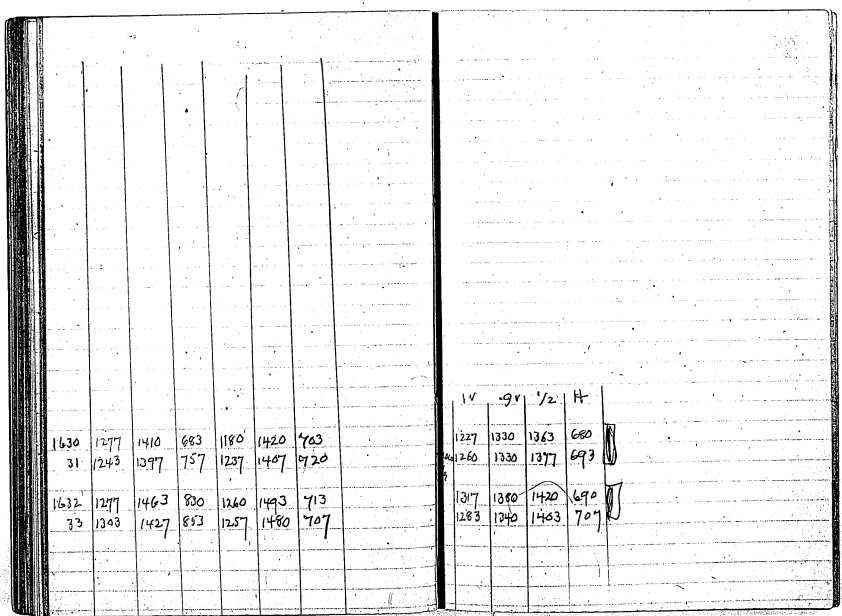
Dup 1527 Except 419	1600	1283
2lb hot Bif – 4.5 47.6 854 grms	1601	1303
	1602	1290
Dump green theft then temp	1603	1303
127 Single Temps	1604	1290
Run Reg 6.924	1605	1263
Dup 1535 854	1606	1183
ff 159 – 4.2 grms 47.6	1607	1160
125 Single temps	1608	1163
	1609	1187
Dump green then ff then temp	1610	1177
6.773	1611	1190
159 f 854 G	1612	1226
f 4.5 24.2	1613	1218
2 grms Bismuth finely and to each tube – 7.680	1614	1217
Bif same strength sol as 2 lb hot but made by Goldstein reduced at 150 Fah for 7½ hours the sol free of Bi dried out quite treat as hot plate. Much hot dry in 6 hrs 7.512 24.2 g Issue 24.0 7.780	1615	1247
	1616	1247
	1617	1243

50	½	H	100 Centm	½	H	Cold days 150	½	H
1460	1490	777	1380	1437	849	1297	1407	823
1483	1517	753	1423	1467	800	1390	1493	897
1497	1530	803	1407	1467	850	1393	1507	917
1473	1517	767	1407	1473	907	1320	1497	850
1477	1523	780	1403	1463	947	1297	1457	847
1500	1567	817	1393	1460	917	1287	1447	827
1481			1402			4 29 (a) 1291		
1290	1320	427	1317	1330	420	1250	1317	553
1287	1317	457	1313	1327	437	1253	1373	520
1300	1333	493	1330	1347	423	1277	1367	550
1320	1343	500	1333	1377	417	1280	1353	580
1313	1333	493	1333	1377	450	1290	1363	597
1300	1333	490	1323	1360	463	1280	1380	607
1318	1329		1325	1353		1268	1389	
1343	1397	510	1377	1447	500	1327	1480	713
1300	1343	473	1345	1457	467	1243	1467	693
1313	1363	500	1347	1440	473	1280	1427	720
1319			1356			1283		
1383	1440	713	1393	1487	723	1257	1440	753
1410	1463	800	1423	1503	750	1257	1457	773
1387	1443	750	1413	1497	757	1287	1440	737

	200	1/2	H	250	1/2	1Y
1600	1377	1483	850	1220	1390	950
01	1460	1657	1123	1390	1583	1140
02	1420	1580	1190	1380	1543	1197
03	1403	1577	1173	1380	1557	1070
04	1400	1583	1193	1340	1493	980
05	1347	1477	1120	1313	1457	890
	1440					
	1400					
1606	1223	1360	767	1127	1333	787
7	1177	1367	727	1117	1330	760
8	1243	1400	787	1157	1487	933
9	1250	1447	757	1180	1377	677
10	1300	1440	757	1223	1397	950
11	1243	1370	740	1187	1363	727
	1240	1387		1167	1356	
1612	1367	1530	780	1353	1537	777
13	1290	1540	683	1323	1520	733
14	1307	1517	667	1327	1550	5C
				1339	1536	
15	1320	1520	800	1270	1490	760
16	1323	1520	813	1270	1417	707
17	1333	1503	830	1243	1483	800

300 1Y	9Y	1/2	H	9 350	1/2	1Y	400	1/2	H
1253	1327	1410	893	1253	1353	573	1130	1223	747
1393	1473	1530	1090	1320	1423	613	1147	1287	723
1390	1460	1530	1100	1300	1403	617	1147	1250	723
1380	1437	1503	1037	1350	1440	597	1178	1303	727
1293	1363	1440	767	1303	1393	593	1155	1257	787
1297	1353	1443	1007	1280	1363	567	1183	1277	713
1339	1420			1301					
1127	1193	1243	697	1160	1220	600	1060	1190	713
1103	1193	1253	717	1147	1240	530	1020	1140	673
1190	1240	1290	703	1160	1240	603	1027	1187	677
1190	1247	1290	710	1197	1277	660	1017	1133	643
1233	1273	1313	743	1193	1300	623	1050	1183	687
1207	1260	1307	711	1197	1263	607	1057	1140	637
1176		1243		1176	1257				
1380	1447	1497	760	1410	1483	693	1320	1437	710
1383	1450	1490	730	1393	1443	777	1330	1397	673
1323	1377	1420	783	1360	1407	777	1313	1383	707
1346	1441			1368	1444				

Ra 877 - 159 f		1618	1240	1340	1370	490	1333	1407	490				
21K2Li	7570	1619	1267	1363	1393	493	1373	1430	493				
Ra 878 159 f		1620	1257	1323	1350	413	1323	1377	483				
	7 500	1621	1240	1320	1347	427	1323	1377	497				
Ra 879 159 -		1622	1213	1300	1333	456	1326	1373	507				
	7 415	1623	1243	1327	1357	473	1330	1390	526				
Ra 880 f 159		1624	1220	1333	1367	503	1340	1390	530				
	7 630	1625	1247	1357	1383	493	1363	1410	510				
Ra 882 f 159 -		1626	1197	1317	1333	463	1300	1347	490				
	7 360	1627	1213	1333	1363	470	1320	1407	550				
Ra 1052 Dried in Drum blowing air through - 159 f		1628	1013	1140	1157	380							
Very bulky fine G	6 410	1629	1020	1170	1190	400							
Ra 1053 Vac dried one inch deep. 159 f		1630	1160	1247	1277	397	1270	1313	483	1277	1367	500	
Spongy quite some black kernels	7 210	1631	1167	1277	1293	410	1270	1360	513	1277	1357	500	
Ra 1054 - Vac Dried 3 inch deep 159 f		1632	1190	1287	1310	413	1320	1763	517	1313	1403	517	
Some gritty particles	7 197	1633	1183	1283	1307	447	1300	1340	490	1307	1373	490	
Ra 1182 159 f		1634	1023	1160	1177	397							
Soft Crumbling & porous	6,279	1635	1030	1167	1187	440							



1630	1277	1410	683	1180	1420	763
31	1243	1397	757	1237	1407	720
1632	1277	1463	830	1260	1493	713
33	1303	1427	853	1257	1480	707

1V	.9V	1/2	H
1227	1330	1363	680
1260	1330	1377	693
1317	1380	1420	690
1283	1340	1463	707

Ra 1185 159 f		1636	1140	1250	1277	330	1257	1290	390	
		1637	1127	1240	1267	333	1237	1270	360	
	7.200									
Ra 1189 159 f		1638	1040	1153	1173	330				
		1639	1050	1113	1127	310				
Soft Crumbly Very Bulky	6.552									
Ra 1191 – 159 f		1640	1007	1107	1127	360				
		1641	1010	1100	1127	350				
Soft Crumb very bulky	6.456									
Ra 1192 – 159 f		1642	917	1067	1087	407				
		1643	910	1067	1087	403				
Spongy soft very bulky	6.122									
Ra 1194 159 f		1644	1077	1160	1177	310	1187	1210	363	
		1645	1073	1170	1200	343	1200	1237	393	
	6.640									
Ra 1195 – 159 f		1646	1110	1183	1197	333	1207	1227	347	
1.04		1647	1100	1170	1187	317	1173	1193	317	
	6.746									
Ra 1196 159 f		1648	933	1050	1067	400	1043	1070	447	
		1649	910	1047	1063	377	1043	1057	450	
Very soft crumbly with Sponge Bulky	6,140									
Ra 1198 – 159 f		1650	1127	1163	1187	367	1173	1220	477	
		1651	1143	1233	1247	410	1247	1287	513	
	6.875									
Ra 1202		1652	990	1127	1140	460	1120	1148	403	
		1653	993	1106	1117	400	1120	1143	380	
Very bulky	6.220									

854 flaks coated very lightly with Carbunday Gy heating 24 hours 5b Cg MH4P 4.6 24.2 fluoreschenny 7.460	1654	883	1280	1310	850	1100	1160	1653	Hyd Note	
	1655	683	1177	1217	960	877	917	950	Note Hydrated	
Ra 883 | 159 7520	1656	1127	1310	1333	573	1337	1403	500		
	1657	1123	1293	1317	520	1317	1367	480		
Ra 884. 159 7.500	1658	1167	1313	1333	447	1330	1390	463		
	1659	1160	1310	1330	543	1393	1487	410		
854 2 Cc hot Pi fl Dump G then f at Temp 7,350 21K2di 2 Silicofluoride K sodium	1660	1263	1173	1190	460					
	1661	1260	1373	1430	867					
Dup 1660 – 21K 2 Silicofluoride K	1662	1240	1050	1053	293					
	1663	1227	1013	1026	834					
Dup 1660 – 21K2di 2 Sodium Silicofluoride	1664	1280	1347	1363	624					
	1665	1263	1313	1366	670					
Dup 1660 21K 2 Sodium Silicofluoride	1666	1247	1040	1043	383					
	1667	1230	1040	1043	383				Note Hydrated Bismuth	
Dup 1660 21K2di 2 Phosphomolybdate K Bismuth	1668	1267	547	567	1093					
	1669	1263	520	1473	967				Note Hydrated Bismuth	
Dup 1660 Bismuth 21K2di 4 gm K Phosphomolybdate	1670	1247	387	1133	987					
	1671	1243	387	1133	1003					

1660 to Bismuth Lesko

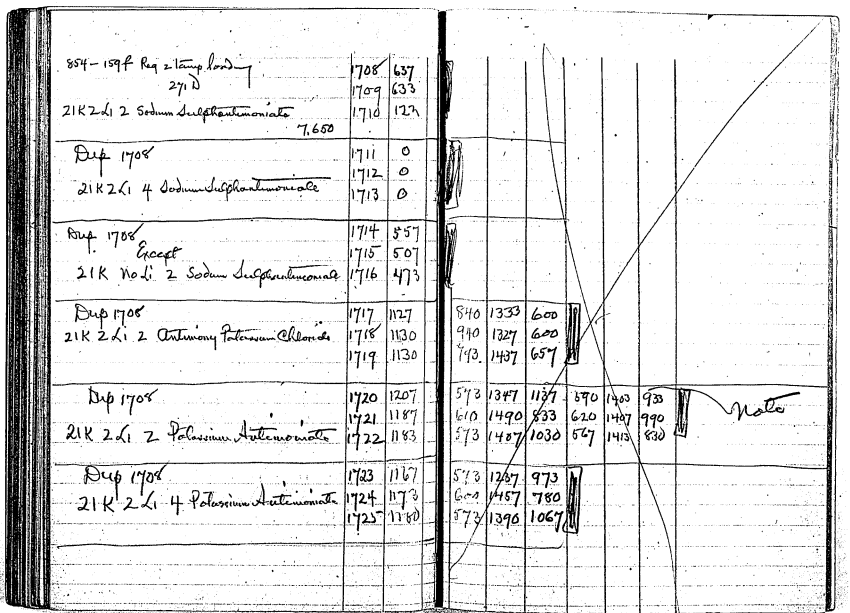
Dup 1660 –	1672	1203	327	1240	387							
21K 2 phosphomolybdate K mol Li	1673	1210	360	1267	384							
Dup 1660	1674	1203	340	1260	353							
21K 4 phosphomolybdate K	1675	1190	383	1180	357							
Dup 1660	1676	1323	600	1367	467							
21K 2 Li 2 Antimonate K	1677	1323	897	1527	1190							
Dup 1660	1678	1253	860	1097	690							
21K 2 Antimonate K	1679	1237	1227	1224	493							
Dup 1660 –	1680	1320	600	1400	1150							
21K 2 Li 4 Antimonate K	1681	1333	600	1370	1110							
Dup 1660	1682	1240	803	1027	590							
21K 4 Antimonate K	1683	1260	880	1067	613							
Dup 1660	1684	1323	1467	1517	1187	1400	1537	1217	1243	1400	900	
21K 2 Li 2 K phosphotungstate	1685	1328	1450	1527	1110	1373	1550	1267	1227	1450	943	
Dup 1660	1686	1263	1247	1300	640	1337	1367	310	1303	1380	450	
21K 2 phosphotungstate K	1687	1247	1247	1340	567	1327	1347	443	1303	1360	444	
Dup 1660 –	1688	1297	1420	1547	1193	1247	1527	1220	1150	1317	940	
21K 2 Li 4 phosphotungstate K	1689	1318	1500	1543	1200	1400	1600	1043	1303	1480	847	

Note High Hat Bi Upk.

2 lb WF		1690	993
854 159 f	Sample 1	1691	1027
Dump grass Clean of Heavy Trash	5.521 gm	1692	1043
Dup	2½ lbs	1693	1107
		1694	1090
	5.902 gm	1695	1100
Dup	3 lbs	1696	1123
		1697	1140
	6.027	1698	1170
Dup	4 lbs	1699	1173
		1700	1177
	6.333	1701	1190
Dup	4½ lbs	1702	1180
		1703	1177
	6.399	1704	1157
Dup	5 lbs	1705	1183
		1706	1167
	6.445	1707	1177

50	½	H	100	½	H	150		
1163	1150	353	1117	1200	570	1060	1293	527
1173	1223	350	1183	1240	583	1147	1317	630
1170	1220	393	1187	1250	633	1160	1323	660
1169	1198		1162			1154		
1227	1273	373	1250	1291	547	1220	1350	597
1177	1227	353	1210	1247	517	1193	1310	527
1193	1240	357	1220	1263	487	1197	1323	530
1199	1247		1230			1203		
1240	1290	390	1277	1313	513	1223	1377	597
1247	1303	407	1283	1330	510	1200	1390	533
1250	1303	390	1283	1327	473	1223	1383	570
1246	1299		1281			1219		
1280	1333	367	1303	1373	410	1197	1400	467
1267	1327	380	1317	1373	413	1253	1387	497
1280	1330	390	1327	1380	473	1253	1413	570
1276	1330		1316			1239		
1280	1333	390	1317	1400	450	1160	1490	493
1257	1317	403	1310	1357	480	1263	1410	523
1257	1327	367	1317	1383	477	1273	1403	510
1265	1326		1315			1252		
1303	1353	387	1340	1390	473	1300	1440	523
1230	1297	360	1280	1330	447	1227	1363	513
1267	1350	383	1330	1380	483	1297	1423	580
1257	1333		1309			1271		

	200	V2	H	250	V2	H	300 +9 units	V2	H	350	V2	H			
1690	1120	1323	647	1133	1307	753	1240	1297	717	1227	1283	730	1190	1283	900
1691	1217	1420	670	1233	1423	797	1283	1350	757	1230	1287	870	1177	1243	913
1692	1120	1417	607	1133	1400	787	1240	1297	680	1183	1240	763	1120	1237	713
	1157			1166			1259						1162		
1693	1207	1450	593	1210	1430	700	1283	1340	660	1233	1277	733	1153	1263	750
1694	1207	1390	583	1167	1397	663	1280	1327	683	1180	1230	670	1153	1210	643
1695	1187	1383	603	1157	1397	667	1260	1327	693	1167	1237	690	1160	1177	617
	1189			1196			1279			1190			1135		
1696	1213	1433	587	1180	1443	667	1297	1353	653	1190	1240	643	1133	1213	597
1697	1157	1460	580	1193	1470	703	1327	1393	663	1193	1280	643	1167	1240	617
1698	1153	1463	590	1193	1477	663	1297	1383	710	1217	1287	640	1127	1227	650
	1179			1190			1301			1203			1142		
1699	1120	1457	573	1180	1427	527	1303	1390	713	1243	1317	693	1217	1277	707
1700	1207	1453	510	1153	1443	660	1297	1387	730	1247	1327	783	1193	1277	747
1701	1253	1473	597	1210	1477	627	1297	1387	730	1230	1313	727	1167	1277	747
	1193			1181			1299			1237			1197		
1702	1207	1510	610	1210	1510	677	1323	1393	663	1210	1290	693	1180	1283	780
1703	1207	1530	657	1193	1510	687	1360	1423	693	1247	1357	760	1230	1340	787
1704	1230	1530	707	1247	1530	743	1400	1467	747	1200	1377	783	1280	1373	780
	1207			1207			1361			1157			1230		
1705	1253	1543	683	1233	1553	777	1433	1513	780	1260	1423	807	1297	1410	780
1706	1213	1423	600	1233	1407	687	1337	1400	697	1237	1380	760	1247	1333	703
1707	1260	1580	720	1247	1603	833	1433	1503	760	1250	1547	893	1287	1473	803
	1247			1244			1401			1272			1294		


854 – 159f Reg 2 Temp loading
271 D
21K2Li 2 Sodium Sulphantimoniate
7,650
Dup 1708
21K2Li 4 Sodium Sulphantimoniate
Dup. 1708
Except
21K No Li 2 Sodium Sulphantimoniate
Dup 1708
21K 2Li 2 Antimony Potassium Chloride
Dup 1708
21K 2Li 2 Potassium Antimoniate
Dup 1708
21K 2Li 4 Potassium Antimoniate
1708 637
1709 633
1710 123
1711 0
1712 0
1713 0
1714 557
1715 507
1716 473
1717 1127
1718 1130
1719 1130
1720 1207
1721 1187
1722 1183
1723 1167
1724 1173
1725 1180
840 1333 600
990 1327 600
943 1437 657
573 1347 1137 590 1403 933
610 1490 833 620 1487 990
573 1407 1030 567 1413 830
573 1267 973
600 1457 780
573 1396 1067
Note

Notebook, N-11-11-02

1253 to Dup of 1164

Dup 1708	1726	1147
21K No 6 2 Antimonate Patch	1727	1127
	1728	1143
Dup 1708 -	1729	1153
21K No 6 1 4 grm	1730	1153
Antimonate Patch	1731	1150
RA light green average 6·2 particles Rotted dry flake 25 deg on ground in Total room 243 d — 6·980	1732	900
Ditto 30 deg 268 d dark green — 7·764	1733	800
Ditto 35 deg 288 d Still darkish very heavy — 8·266	1734	807
RA Light greens average Loaded 6·200 — When wet 5% H_2O rubbed Rubbed out 35 deg — 275 d — 7·935	1735	800
	1736	833
Dup 1735 -	1737	827
wet 10% H_2O - 275 d — 7·796	1738	920
Dup 1735 -	1739	807
wet 15% H_2O 259 d — 7 580	1748	883

50

697	1091	623				
1107	1173	377				
767	1130	623				
497	1163	377				
740	1163	520				
607	967	777				
1073	1097	273	1127	1147	347	
1020	1057	230	1037	1080	293	
1063	1103	220	1067	1130	293	
1000	1071	193	1037	1080	297	
1107	1150	230	1137	1173	340	
1033	1083	233	1073	1110	297	
1132	1147	280	1167	1227	340	
993	1057	270	1027	1110	300	
1103	1133	297	1137	1177	333	

RA highest 6.140a – wet 5% H_2O 159f 30 dry over 16– 7.508	1741 1742	999 1017	1093 1093	1113 1117	337 333	1153 1150	1187 1223	340 333				
Bup 1741– Wet 10% H_2O– 7.250	1743 1744	1030 1093	1017 1143	1040 1160	280 317	1053 1223	1110 1257	337 383				
Dup 1741– 15% H_2O– 7.029 7.470	1745 1746		1097 1167	1110 1183	287 283	1153 1213	1183 1287	413 417				
B_2 B_3 stock of 1625 cc NH_4Cl– 62.5 cc $BiCl_3$ 2 NH_4Cl. Heated to 75 cent = 181° Tube until Bi disappeared 50 grams ferric (made with free of Cl– 43 241 – Bottle Tears apart in hopper Stirred not more heavy than 3 7.690 2872	1747 1748 1749	1263 1267 1267	1400 1400 1400	1460 1473 1457	863 890 407 ×	1373 1370 1376	1490 1490 1490	860 783 780	1330 1280 1313	1471 1457 1467	1027 723 887	
Bi_f B_2 B_3 – 50 grams – 1625 cc NH_4Cl 75 cc $BiCl_3$ 2 NH_4Cl heated to 181° Tube until Bi removed– Bottle Tears apart with glass not heavier Clean Reg 2928 7.720	1750 1751 1752	1290 1293 1283	1467 1454 1460	1527 1517 1533	1087 1080 1007	1477 1477 1500	1610 1667 1630	1087 1060 1117	1313 1333 1327	1440 1473 1466	1180 1287 1303	
RA 881 – 159f – Hard Greed 7.500	1753 1754	1180 1187	1293 1307	1310 1333	1407 1427	1363 1193	1340 1620	1443 1490				
RA 885 159f 2768 7.570	1755 1756	1223 1210	1350 1343	1377 1373	453 433	1373 1380	1423 1443	486 460				

× looks as if we added more Bi_f

RA 886 15gf 268A	1757	1203	1330	377	430	1343	1420	477		
	1458	1187	1310	1317	420	1340	1433	443		
7,560										
RA 887- 284A	1759	1187	1293	1323	400	1310	1387	423		
Skyhill soft grass 7,638	1760	1167	1317	1350	430	1343	1413	523		
85f 15gf-	1761	1223	1243	1317	203					
21K2Li 2 K silicotungstate 7,660	1762	1240	1260	1297	210					
Dup 1761	1763	1087	0	0	207					
21K2Li4 2 K Metaphosphate	1764	1087	0	0	203					
Dup 1761	1765	1163	1163	1183	260					
21K2Li 2 Sodium Phos Meta	1766	1147	1150	1167	253					
Dup 1761-	1767	1230	1233	1260	343					
21K2Li 2 Sodium Phos Ortho	1768	1240	1247	1273	360					
Dup 1761	1769	1190	1123	1157	293					
21K2Li 2 K Phos Meta	1770	1173	1108	1127	263					
Dup 1761	1771	1220	1340	1380	447	1377	1337	483		
21K2Li 2 Na pyrophosphate	1772	1230	1357	1393	410	1223	1443	493		

Dup 1761	1773	1213		1197	1203	193				
21K2Li 2 K pyrophosphate	1774	1213		1197	1213	207				
Dup 1761	1775	1223		557	447	477				
21K2Li 2 Antimoniate Sol a	1776	1223		557	1260	320				
Goldstein 70 gm Formula—131 f	1777	1317		1417	1540	1213	1590	1583	107	
1625 cc NH4OH 60 cc Saturated Sol	1778	1323		1193	1597	1158	1000	1587	133	
10 CS 2 NH4Cl heated 181° Tube										
854 grm 242 f 47° 21K2Li 2 Dihydrogen										
K — Phosphate and Arsenic Mixture Dup f 42 78 43										
Trans agent slightly — 1560										
Dup 1777	1779	1120		0	0	410				
21K2Li 2 K Sulphomolybdate	1780	1150		0	0	430				
1560										
Dup 1777	1781	1177		1180	1227	270				
21K2Li 2 Na Metaphosphate	1782	1217		1146	1180	260				
Dup 1777	1783	1183		1163	1197	287				
21K2Li 2 Na Orthophosphate	1784	1233		1193	1230	303				
Dup 1777	1785	1250		1163	1197	280				
21K2Li 2 K Metaphosphate	1786	1280		1163	1200	283				
Dup 1777	1787	1347		1387	1453	507	1123	1273	490	
21K2Li 2 Na Pyrophosphate	1788	1310		1350	1443	520	1120	1233	490	

Dup 1777 21K2L1 2 K Pyrophosphate	1789	1300
	1790	1297
Dup 1777 21K2L1 2 Na Antimonate	1791	1283
	1792	1273
Dup 1777 21K2L1 Rum Reg	1793	1233
	1794	1220
Ra 888 Reg Green 459f 21K2L1	1795	1180
	1796	1173
Ra 889 - Reg Green	1797	1193
	1798	1207
Ra 870 Reg	1799	1197
	1800	163
Ra 871 Reg	1801	1187
	1802	1173
Ra 892 Reg	1803	1177
	1804	1117
Ra 893 Reg	1805	1177
	1806	1183

	1173	1303	390				
	1220	1313	333				
	593	1580	940				
	633	1598	1683				
	1327	1400	483	1283	1430	643	
	1327	1377	467	1280	1420	687	
	1263	1283	343	1323	1370	533	
	1290	1313	367	1340	1393	547	
	1290	1320	373	1333	1403	590	
	1327	1353	387	1360	1417	627	
	1280	1307	373	1333	1427	600	
	1237	1263	383	1308	1360	510	
	1283	1313	400	1320	1440	590	
	1307	1333	417	1350	1440	596	
	1287	1317	417	1320	1417	587	
	1213	1247	383	1267	1323	563	
	1270	1297	377	1327	1390	560	
	1280	1307	413	1333	1397	563	

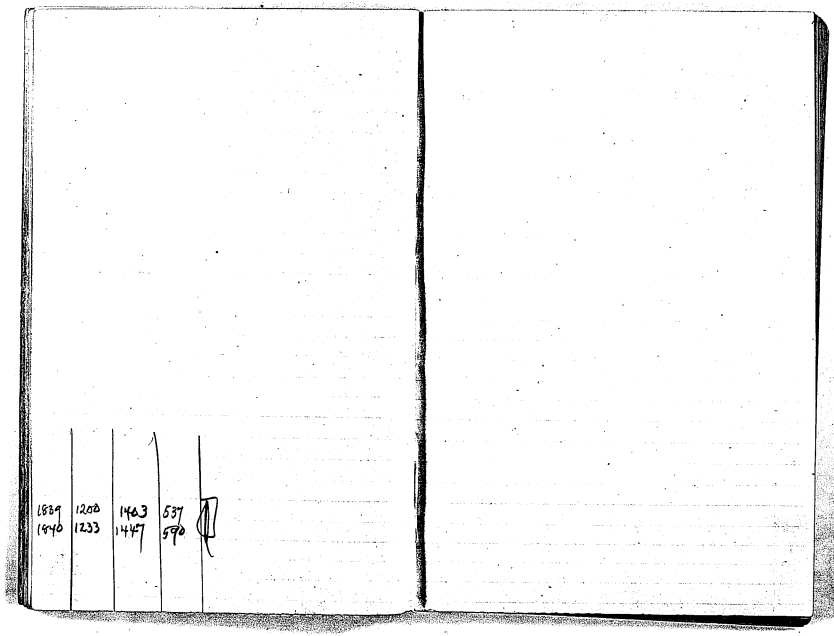
Note high % + high R.H. %

Ra 894 Req	1807	1157
	1808	1163
Ra 1225 Expmt	1809	1129
black Kernels in 1 7340	1810	1077
Ra 1231 Expt.	1811	1053
Slightly heavy 8 250	1812	1010
Ra 1232 Expt.	1813	1190
Very powdery Cats, fines 7 425	1814	1163
Ra 1233 Expt. Brunhalmi	1815	1163
fine granular dentritic Rec 6.790	1816	1167
Ra 895 Req	1817	1163
	1818	1163
7.170		
Ra 896 – Req	1819	1130
	1820	1147
7560		
Electrophoresis plating of flake 70 gm of 280 cc sat Which 60 cc sat Sol Bi Cl_3 Which 354 grams 44 241 7 620	1821	1113
	1822	1110
Ra 897 Req	1823	1097
7.697	1824	1153

1200	1253	330	1297	1377	510				
1228	1253	350	1267	1347	513				
1187	1230	317	1267	1330	473				
1140	1177	293	1203	1267	440				
1173	1227	290	1230	1307	383				
1053	1127	263	1098	1210	358				
1293	1323	380	1330	1447	630	1257	1437	663	
1270	1293	370	1336	1383	587	1280	1417	717	
1197	1210	280	1297	1323	443	1277	1390	527	
1207	1213	277	1297	1317	420	1310	1387	477	
1217	1257	310	1297	1337	470				
1240	1270	337	1303	1347	473				
1253	1277	390	1337	1400	587				
1220	1250	363	1283	1330	513				
1250	1357	533	1240	1287	653	1227	1400	637	
1300	1427	583	1327	1470	760	1283	1520	727	
1170	1217	333	1303	1410	533				
1247	1277	357	1293	1353	627				

Rq 1234 Exept													
	1825	973											
	1826	997											
Dunbar green fus — 6.970													
Dup 1342A. Rq 859 Ry	1827	1113											
	1828	1107											
Bulley green 7.560													
Dup 1827 70 gm Cof Bi fk Goldsm 4.5 23.5 7 580	1829	1177											
	1830	1177											
Dup 1344 Rq 860 Ry	1831	1167											
	1832	1190											
7 380													
Dup 1831 Exept Goldsam 70 gm Cof Ri forke 7 430	1833	1223											
	1834	1247											
Dup 1346 Rq 861 7487	1835	1230											
	1836	1217											
Dup 1835A Exept Goldsam 70 gm Bi fk	1837	1293											
	1838	1283											
Rq 1348 Rq 862	1839	1180											
	1840	1203											
Dup 1839 Exept Goldsam 70 gm Bi fk	1841	1243											
	1842	1216											

1143	1163	237	1233	1240	447								
1117	1133	233	1177	1187	417								
1183	1213	287	1267	1300	653	1233	1357	483					
1200	1237	323	1250	1293	693	1243	1353	490					
1210	1280	520	1263	1367	803	1177	1350	697					
1233	1297	623	1293	1377	810	1263	1400	753					
1167	1180	313	1197	1290	700	1260	1420	623					
1187	1207	313	1233	1310	670	1260	1440	750					
1230	1270	387	1233	1370	810								
1273	1323	430	1237	1353	650								
1243	1253	363	1317	1380	497	1386	1497	733					
1260	1267	377	1303	1380	473	1347	1517	730					
1287	1327	447	1283	1280	463								
1380	1377	513	1213	1363	500								
1157	1173	317	1233	1283	367	1227	1383	580					
1273	1237	350	1280	1373	400	1260	1423	653					
1233	1267	407	1133	1273	490								
1260	1293	463	1190	1313	507								


1839 1208 1403 537
1840 1233 1447 590

Dup 1350A: Ra 863-	1843	1190		1227	1233	370	1253	1340	550	1267	1440	687	
	1844	1190		1207	1227	367	1233	1330	527	1243	1420	617	
Dup 843 Except gridlines. 78 Bi fc	1845	1243		1317	1353	533	1260	1377	667				
	1846	1190		1280	1427	617	1290	1433	667				
Ra 1235 Expt	1847	1077		1073	1090	287	1160	1233	370				
	1848	1100		1100	1110	283	1207	1237	357				
50% of Ch. ... Chimes 190 ... 6798													
Ra 898 Rq	1849	1153		1207	1220	370	1233	1307	460				
	1850	1210		1253	1273	377	1333	1340	470				
7348													
Ra 899 Rq	1851	1180		1220	1233	387	1250	1337	480				
	1852	1207		1253	1270	420	1307	1410	540				
7.240													
Ra 900 Rq	1853	1180		1227	1249	430	1280	1743	590				
	1854	1200		1253	1277	423	1297	1373	597				
7.167													
Ra 901-	1855	1227		1243	1267	400	1273	1383	593				
	1856	1227		1253	1277	377	1243	1353	643				
7270													
Ra 902 Rq	1857	1258		1280	1293	343	1330	1390	570				
7110	1858	1213		1237	1253	353	1287	1273	433				

1643	1307	1503	650
1644	1257	1460	593

Ra 903 Rep	1859 1860	1213 1220
Ra 1237 Expt. 7.706	1861 1862	1103 1117
Ra 1238 Expt 7470	1863 1864	1153 1197
Ra 1239 Expt 4 625	1865 1866	1183 1197
Ra 1240 Grilly grass 7 470	1867 1868	1160 1127
Ra 1241 Expt. 7 143	1869 1870	1160 1150
Ra 1242 Expt. 50% weed than 190 weeds 6 980	1871 1872	1030 1020
Ra 1243 Diff from very hardy ohio open face 6.208	1873 1874	1013 1017

1227 1250	1240 1267	340 390	1260 1287	1343 1367	503 460	1287 1287	1430 1467
1120 1078	1150 1093	340 367	1160 1190	1267 1263	393 306		
1147 1230	1173 1247	360 430	1160 1270	1303 1367	430 557		
1203 1193	1230 1213	440 390	1230 1240	1343 1310	523 487		
1183 1130	1193 1147	333 313	1246 1187	1333 1283	533 457		
1183 1180	1200 1183	343 350	1223 1223	1293 1267	477 453		
1070 1043	1083 1067	267 210	1187 1157	1237 1227	347 320		
1037 1000	1050 1017	323 297	1067 1043	1100 1067	407 366		

1459	1273	1460	573	
1460	1267	1500	597	

Ra 1244 Ex

	1875	1057
	1876	1053

Soft very true Ray 6.480

Ra 904 Ray

	1877	1123
	1878	1193

7.600

Ra 905 Ray

	1879	1241
	1880	1190

7.574

Electrolyte and Bi pellet
70 gr 36 grms BiCl3 + 2 Methyl Cl + Sat
36 gr or Methyl - took 4 hours pelleting in
cold sat KOH 414 241 7.640

	1881	1237
	1882	1216

Bi f treated 52 g Bi f 24 cc
Bi Cl3 + 2 Methyl 20 grms sat Methyl
treated 140 7 hrs 6 hours KOH 7.607

	1883	1237
	1884	1247

Ra 1164 Expt new Empress II
4.2 241 Dump grown Chamf
Ihan Temperature

	1885	1047
	1886	1050
	1887	1077

Dump 1885 8.105
4f. 36 grm

	1888	1113
	1889	1085
	1890	1103

205 dumps 6994 grm 7.500

Dup 1885
42 48 grm

	1891	1117
	1892	1080
	1893	1117

150 dumps 7000 7.660

50	½	4	100	½	H	150	½	#
1063	1077	300	1107	1137	373			
1027	1033	260	1070	1093	337			
1217	1240	327	1327	1423	433			
1173	1190	387	1243	1323	387			
1217	1240	373	1293	1367	390			
1187	1200	403	1283	1340	390			
1227	1363	537	1170	1297	410			
1266	1349	540	1290	1447	513			
1280	1357	467	1240	1390	513			
1316	1427	443	1347	1550	473			
1210	1273	247	1287	1350	320	1277	1380	400
1267	1320	240	1363	1420	370	1357	1447	423
1197	1307	243	1300	1390	387	1340	1420	377
1350	1373	267	1443	1477	433	1393	1477	400
1270	1313	267	1357	1430	453	1313	1400	383
1310	1353	276	1373	1460	553	1387	1458	423
1350	1383	320	1417	1510	583	1440	1493	483
1260	1313	300	1383	1457	580	1327	1443	420
1337	1360	293	1400	1500	647	1450	1507	500

200	½ H		250			
1885	1270	1458	527	1443	1453	553
1886	1287	1543	523	1540	1580	627
1887	1263 (1273)	1473	520	1473 (1495)	1523	577
1888	1330	1533	517	1437	1500	587
1889	1223	1477	497	1433	1507	567
1890	1330 (1334)	1497	433	1433 (1494)	1493	553
1891	1390	1543	477	1460	1527	
1892	1320	1483	470	1400	1460	
1893	1420 (1377)	1550	467	1477 (1446)	1507	

1330	1397	580	1283	1367	570
1390	1477	597	1260	1380	590
1383	1443	627	1323	1413	600
1230*	1323	707			
1123*	1247	710			
1200	1330	690			
1190	1320	623			
1063*	1202	513			
1200	1343	554			

300	½	H	350	½	H

splid + 3 Rings broken

splid + 3 Rings broken

Ra 906 Reg	1894	1113	
	1895	1133	
7.780			
Ra 907 Reg	1896	1143	
	1897	1090	
7.805			
Ra 1248 Expt	1898	1023	
	1899	1043	
Slightly Fused Reg 7.315			
Ra 1249 —	1900	1033	
	1901	993	
Burkey Gibson 7.130			
Bi Leake — $NiCl_2$ Sol	1902	1227	
52 gms of 24cc $HgCl_2$ 2 Hg Cl Sol	1903	1263	
200 cc $NiCl_2$ Sol.			
834 g 7800			
Ra 908 Reg	1904	1157	
	1905	1140	
7.640			
Ra 909 Reg	1906	1143	
	1907	1157	
7.370			
Ra 910 Reg	1908	1167	
	1909	1167	
7.600			
Ra 911 —	1910	1160	
7.300	1911	1150	

1193	1273	350	1257	1380	657	1130	1357	517	
1147	1270	367	1217	1363	657	1153	1340	503	
1200	1270	373	1198	1333	407	1190	1363	600	
1100	1247	333	1120	1297	387	1137	1340	527	
1100	1190	240	1137	1230	317	1160	1257	450	
1123	1217	240	1170	1267	327	1203	1307	423	
1160	1220	250	1163	1253	327	1184	1300	457	
1100	1190	237	1120	1217	320	1133	1258	416	
1277	1450	473	1197	1500	657				
1237	1467	493	1317	1500	697				
1233	1310	367	1237	1390	463	1197	1377	593	
1220	1280	340	1167	1367	450	1153	1363	597	
1237	1330	420	1233	1313	467	1250	1347	613	
1233	1250	420	1283	1390	500	1247	1380	623	
1203	1330	423	1253	1377	497	1237	1400	640	
1230	1313	390	1253	1363	507	1237	1383	637	
1217	1313	387	1290	1377	573	1280	1390	680	
1200	1303	367	1253	1340	533	1233	1347	630	

Ra 1181 Expt

1912	1013
1913	1026

7.560

Ra 1244 Expt 10% ferric

1914	1073
1915	1103

7.760

Ra 1250

fine granular corroborative paper

6.890

Ra 1258

1918	1123
1919	1140

7.460

Bi in $NiCl_2$ Solution 52 grms ff
24 cc $BiCl_3$ 2 NH4Cl. 1700 cc
NaCl sol. 854 grms
Gelatin

1920	1247
1921	1257
1922	1257

Bi 52 grms { 24 cc $BiCl_3$ 2NH4Cl
2000 cc NH4Cl Saturated
NH4Cl Sol used Twice for Bi deposit
854

1923	1300
1924	1290
1925	1290

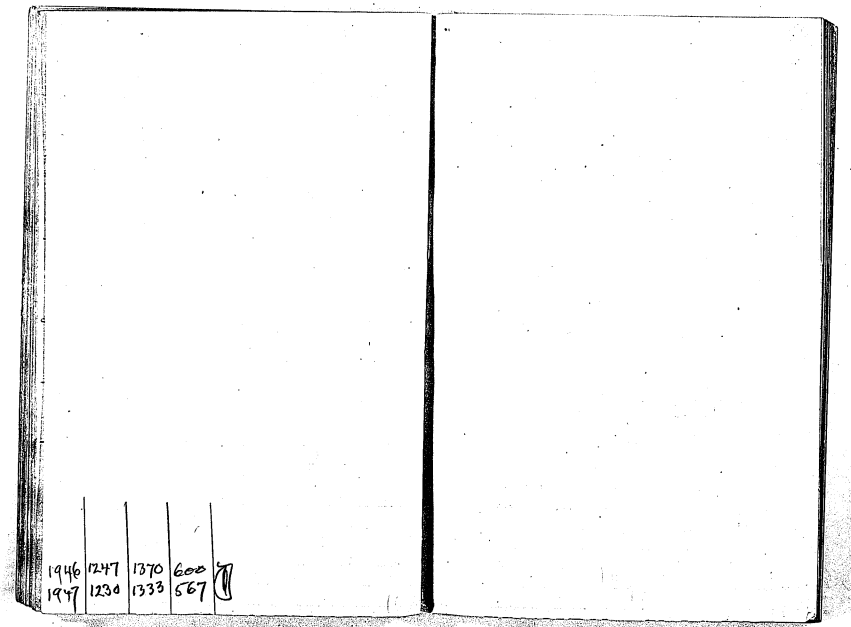
Bi plating 52 grms ff
24 cc $BiCl_3$ 2NH4Cl
2000 cc NH4Cl Sat Hot sol
used 3 times for Bi deposit
854

1926	1330
1927	1310
1928	1310

1100	1190	240	1120	1240	347	
1100	1200	253	1133	1247	343	
1110	1243	378	1147	1330	500	
1193	1257	370	1163	1343	510	
1113	1157	267	1133	1243	390	
1116	1157	267	1133	1247	367	
1197	1250	337	1193	1323	483	
1233	1297	363	1250	1343	583	
1247	1333	420	1250	1427	590	
1247	1337	423	1253	1430	593	
1247	1330	423	1250	1410	560	
1253	1377	473	1183	1437	587	
1250	1370	477	1197	1447	597	
1247	1370	510	1247	1450	527	
1247	1400	570	1327	1463	677	
1243	1410	573	1290	1500	643	
1283	1410	500	1290	1500	690	

Bi plating — Oxalate soln Bi in water	1929	1303
52 gms fe 24cc $BiCl_3$ 2 NHCl.	1930	1317
2000 cc H_2O — cal. soln and tree	1931	1387
854 Oxy. dumpcared Leaks very bright —		
Bi '52 gm fe 24cc $BiCl_3$ 2NHCl	1932	1290
1900 cc $NiCl_2$ Sol used twice	1933	1307
854 —	1934	1300
Bi — 52 gms fe 24cc $BiCl_3$ 2NHCl	1935	1243
1900 cc $NiCl_2$ 3-4 used 3 times	1936	1200
854	1937	1237
Ra 912 Reg	1938	1183
	1939	1200
7702		
Ra 913 Reg	1940	1200
	1941	1177
7612		
Ra 914 Reg	1942	1167
	1943	1190
7604		
Ra 915 Reg	1944	1123
	1945	1140
7669		
Ra 1252 Expt 1416 fines	1946	1037
Screens out 5 strok rate	1947	1040
7294		

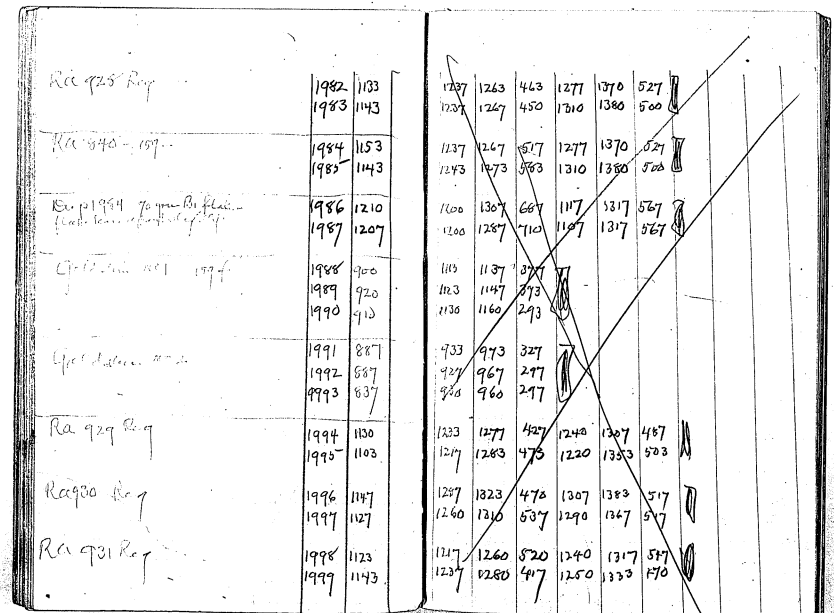
1283	1390	493	1290	1460	563
1247	1368	450	1303	1463	577
1227	1423	480	1333	1510	557
1263	1357	457	1253	1447	557
1303	1440	503	1313	1480	573
1290	1380	503	1287	1463	573
1283	1347	467	1303	1447	660
1270	1403	473	1377	1557	800
1247	1373	450	1327	1473	677
1253	1267	363	1260	1377	410
1290	1300	393	1233	1430	430
1253	1290	397	1257	1373	393
1227	1293	397	1243	1353	403
1247	1260	393	1257	1347	487
1263	1340	393	1313	1413	530
1230	1227	397	1210	1350	523
1230	1260	360	1257	1340	540
1159	1213	360	1227	1293	690
1197	1143	343	1183	1240	533

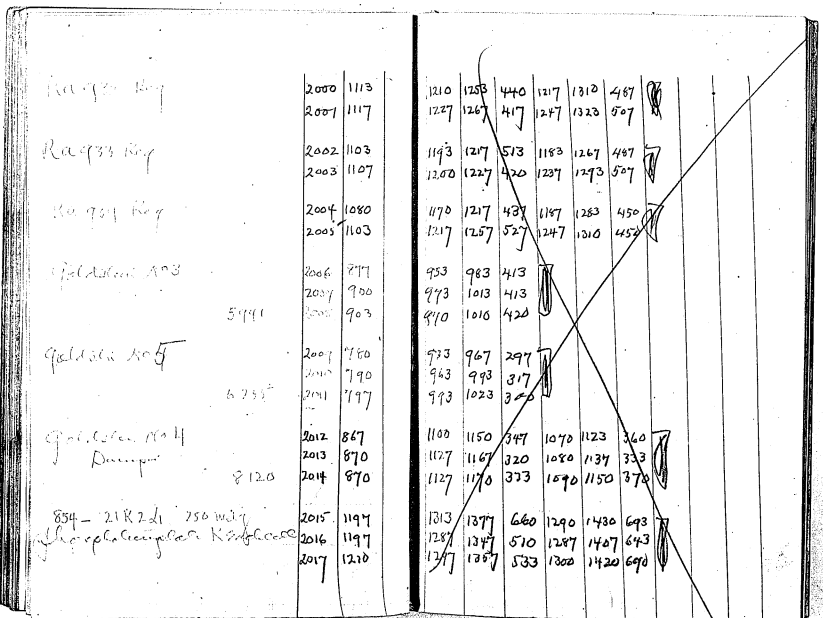

1946 1247 1370 600
1947 1230 1333 567

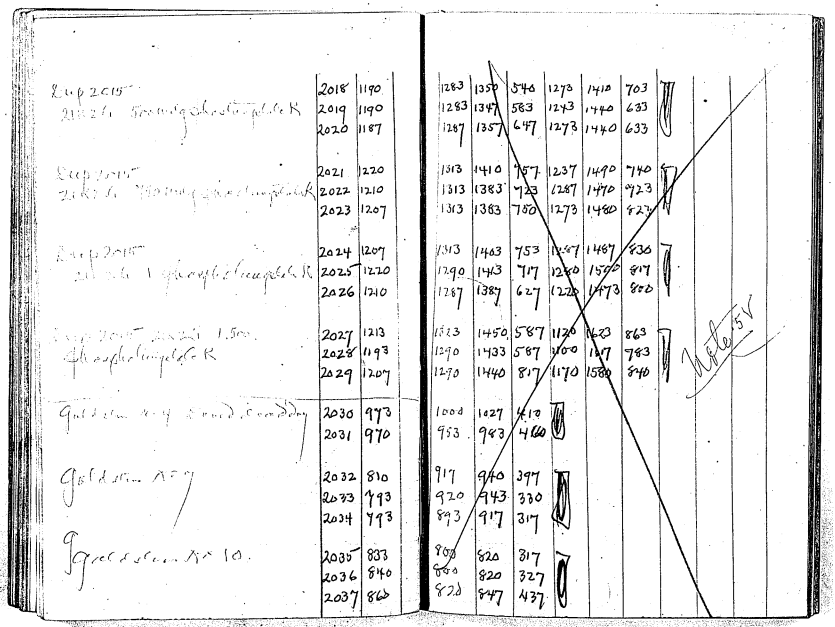
Ra 733 Dep- ously enough 1 tube- 7500	1948	1120	
Ra 916 Rcq 7479	1949	1147	
	1950	1147	
Ra 917 Rcq 7511	1951	1180	
	1952	1160	
Ra 918 Rcq 7550	1953	1137	
	1954	1163	
Ra 919 Rcq 7.576	1955	1157	
	1956	1167	
Ra 920 Rcq 7491	1957	1153	
	1958	1193	
Ra 921 Rcq 7453	1959	1180	
	1960	1180	
Ra 922 Rcq 7,525	1961	1133	
	1962	1180	

			150	1/2	ft						
1243	1283	397	1283	1337	573	1303	1433	587			
1241	1290	393	1293	1353	463						
1243	1270	367	1283	1333	420						
1247	1290	393	1283	1363	443						
1260	1303	420	1293	1357	467						
1250	1283	397	1263	1353	447						
1213	1247	433	1340	1333	470						
1243	1297	500	1250	1372	527						
1220	1280	460	1280	1357	447						
1243	1290	450	1293	1363	447						
1240	1340	477	1340	1420	443						
1243	1310	416	1323	1363	467						
1283	1333	437	1297	1427	517						
1227	1277	393	1257	1337	527						
1243	1277	390	1267	1353	617						

Bi 52 gm f. – 24cc $BiCl_3$ in NH_4Cl 1900 cc $NiCl_2$ sol. used 4 times – 854	1963	1230	1283	1380	607	1383	1523	867	1303	1620	853
	1964	1237	1297	1393	610	1350	1493	757	1364	1617	850
	1965	1237	1300	1393	593	1323	1440	720	1383	1503	767
Bi 52 gm f 24cc $BiCl_3$ in NH_4Cl 2000 cc H_2O 140 f – Oxychloride present 854 –	1966	1260	1297	1393	589	1323	1447	727	1333	1570	647
	1967	1260	1293	1363	1403	1320	1483	700	1330	1467	600
	1968	1243	1310	1383	523	1307	1440	693	1353	1527	847
Bi 52 gm 24cc $BiCl_3$ in NH_4Cl 2000 cc H_2O – heated 140 f. not necessary one reagent	1969	1237	1300	1347	477	1307	1410	570	1290	1460	777
	1970	1237	1277	1327	511	1280	1403	470	1290	1453	707
	1971	1260	1330	1373	547	1320	1453	577	1360	1573	733
Ra 923 Req	1972	1140	1250	1297	400	1277	1360	450			
	1973	1141	1253	1287	400	1290	1370	507			
Ra 924 Req	1974	1143	1240	1287	400	1290	1370	500			
	1975	1143	1240	1274	408	1277	1360	507			
Ra 925 Req	1976	1157	1257	1303	400	1300	1380	570			
	1977	1184	1250	1284	420	1300	1370	577			
Ra 926 Req	1978	1143	1247	1250	400	1277	1360	583			
	1979	1107	1200	1233	400	1240	1310	543			
Ra 927 Req	1980	1187	1263	1287	417	1310	1393	573			
	1981	1167	1233	1270	433	1320	1393	547			


Ra 925 Rep
1982 1133
1983 1143
1237 1263 463 1271 1370 527
1237 1267 450 1310 1380 500
Ra 840 - 199-
1984 1153
1985 1143
1237 1267 527 1277 1370 527
1243 1273 563 1310 1380 503
Rep 1994 To go By Plan
1986 1210
1987 1207
1200 1307 687 1117 1317 567
1200 1287 710 1107 1317 567
1988 900
1989 920
1990 913
113 1137 377
123 1147 373
1136 1160 293
1991 887
1992 887
1993 837
933 973 327
927 967 297
918 960 297
Ra 929 Rep
1994 1130
1995 1103
1233 1277 427 1240 1307 487
1217 1283 473 1220 1353 503
Ra 930 Rep
1996 1147
1997 1127
1287 1323 478 1307 1383 517
1260 1310 537 1290 1367 517
Ra 931 Rep
1998 1123
1999 1143
1217 1260 520 1240 1317 547
1237 1280 497 1250 1333 470





Rup 2015	2018	1190	1283	1359	846	1273	1410	703		
2016 Grundgebühr pro K	2019	1190	1283	1347	583	1243	1440	633		
	2020	1187	1287	1357	647	1273	1440	633		
Rup 2015	2021	1220	1313	1410	787	1237	1490	740		
2016 Grundgebühr pro K	2022	1210	1313	1383	723	1287	1470	723		
	2023	1207	1313	1383	750	1273	1480	727		
Rup 2015	2024	1207	1313	1463	753	1267	1487	830		
2016 Grundgebühr pro K	2025	1220	1290	1443	717	1240	1500	817		
	2026	1210	1287	1387	627	1220	1473	800		
Rup 2015 2021 1500	2027	1213	1323	1450	587	1120	1423	863		
Grundgebühr pro K	2028	1193	1290	1433	587	1100	1417	783		
	2029	1207	1290	1440	817	1170	1580	840		
Gebühr pro Stunde Sonntag	2030	973	1004	1027	410					
	2031	970	953	983	460					
Gebühr Nr 9	2032	810	917	940	397					
	2033	793	920	943	330					
	2034	793	893	917	317					
Gebühr Nr 10.	2035	833	903	820	317					
	2036	840	880	820	327					
	2037	863	820	847	437					

Goldstein 906 Semi-log manual		2038	770	1130	1157	367
		2039	773	1160	1193	420
	7557	2040	810	1157	1180	417
Goldstein 9-		2041	950	983	1017	453
		2042	953	977	1000	410
	6828	2043	933	967	997	353
Goldstein Exp 2038 Semi-log Dup		2044	833	1003	1033	337
		2045	917	1070	1107	373
	6469	2046	853	1003	1033	313
Goldstein 908		2047	833	830	847	393
		2048	863	840	867	437
	5728	2049	900	880	913	467
Ra 935 Rag		2050	1190	1297	1350	560
		2051	1240	1377	1430	577
Ra 936 Rag		2052	1173	1287	1330	493
		2053	1173	1273	1287	397
Ra 937 Rag		2054	1180	1273	1337	427
		2055	1173	1300	1307	377

Ra 939 Rag		2056	1167
		2057	1160
Ra 940 Rag		2058	1171
		2059	1197
Goldilocks 11		2060	973
		2061	1000
	6324	2062	983
Goldilocks 13		2063	930
		2064	980
	7366	2065	867
Ra 943 Rag		2066	1217
		2067	1207
	7620		
Ra 941 Rag		2068	1210
		2069	1197
	7780		
Ra 938 Rag		2070	1200
		2071	1200
	7715		
Goldilocks 14		2072	957
		2073	980
	6110	2074	997

1308	1337	427					
1260	1307	377					
1293	1327	423					
1300	1330	400					
1093	1110	280					
1093	1110	277					
1097	1117	280					
1137	1173	320	1160	1263	387		
1117	1153	338	1170	1260	387		
1053	1100	353	1087	1183	347		
1280	1313	703					
1293	1323	693					
1270	1303	623					
1276	1313	663					
1303	1347	667					
1300	1343	683					
1043	1067	497					
1063	1087	450					
1067	1090	487					

Galdata 15

	2075	950
	2076	943
Left Counterweight Very Bad Rag	2077	967

7 320

Ra 1164 35.8 green 4.5 f 159 f.

198 dumps

Green Reef Cleaning

	2078	1167
	2079	1203
	2080	1167
	2081	1177
	2082	1157
	2083	1170

6800 green

7 665

Ra 1164

47.8 4.5 f 159

6976 green

	2084	1200
	2085	1200
	2086	1180
	2087	1210
	2088	1207
	2089	1217

7 633

Ra 1164

60.4 green 4.4 f 159 f

4,058 green

7 578

	2090	1117
	2091	1110
	2092	1123
	2093	1110
	2094	1123
	2095	1123

50	1/2	H	100	1/2	H	150	1/2	H
1157	1174	447	1177	1220	393			
1177	1203	413	1190	1240	433			
1130	1203	447	1187	1223	453			
1133	1343	497	1377	1433	467	1343	1427	573
1147	1387	487	1410	1463	450	1347	1470	583
1130	1373	493	1380	1450	473	1343	1453	510
1127	1370	507	1380	1443	500	1343	1457	437
1130	1340	510	1350	1443	497	1350	1450	467
1120	1363	520	1377	1447	497	1343	1460	547
1147			1397			1393		
1397	1427	627	1453	1500	487	1393	1586	637
1347	1387	567	1397	1460	490	1377	1473	637
1373	1410	617	1450	1500	550	1447	1500	723
1373	1417	617	1456	1497	533	1390	1473	690
1397	1427	623	1470	1517	540	1410	1497	623
1390	1423	693	1463	1517	557	1413	1500	660
1353	1377	587	1426	1460	547	1360	1440	600
1323	1350	590	1393	1430	510	1353	1443	613
1323	1360	593	1403	1440	487	1373	1430	550
1317	1337	587	1357	1417	447	1350	1413	633
1327	1350	600	1357	1410	390	1310	1383	627
1327	1350	663	1363	1423	390	1350	1447	617

200				250	1/2	H
2078	1387	1433	393	1233	1343	717
2079	1387	1457	483	1280	1353	730
2080	1377	1457	507	1313	1390	607
2081	1380	1463	530	1303	1377	577
2082	1320	1433	560	1223	1313	567
2083	1380	1463	510	1380	1447	590
	1355	1451		1259	1370	
2084	1394	1470	514	1247	1350	557
2085	1367	1453	531	1273	1380	600
2086	1447	1490	543	1317	1380	617
2087	1363	1437	493	1177	1313	553
2088	1397	1447	513	1260	1350	617
2089	1430	1463	543	1240	1350	603
	1400	1425		1246	1354	
2090	1347	1373	463	1177	1273	553
2091	1330	1377	473	1177	1280	540
2092	1360	1400	473	1280	1360	570
2093	1357	1393	567	1317	1383	653
2094	1310	1360	543	1213	1310	623
2095	1350	1393	497	1213	1310	557
	1347	1365		1229		

300	1/2	H
1160	1253	580
1153	1247	493
1183	1247	580
1150	1260	1447
1130	1210	503
1243	1323	577
1110	1200	573
1097	1243	580
1097	1208	540
1067	1180	573
1140	1258	600
1093	623	1210
1153	1247	623
1177	1243	629
1247	1347	607
1243	1328	635
1093	1237	577
1110	1180	583

Dump of 2078 except .072 green
per dump: 4.4 7.14
100 Dumps -
Dump of them for
1164 green
7.222 green
7.472

Dump 2078 -
36.1 green 4.3 ft
of 2 ft Lot Bi
Brush flow
192 Dump
1164
7.745

Dump 2102 except green
47.8 green 4.3 ft
Brush flow
2 ft Lot
1164 147.8 -
7.07 7.674

Ra 942 Rag
7680

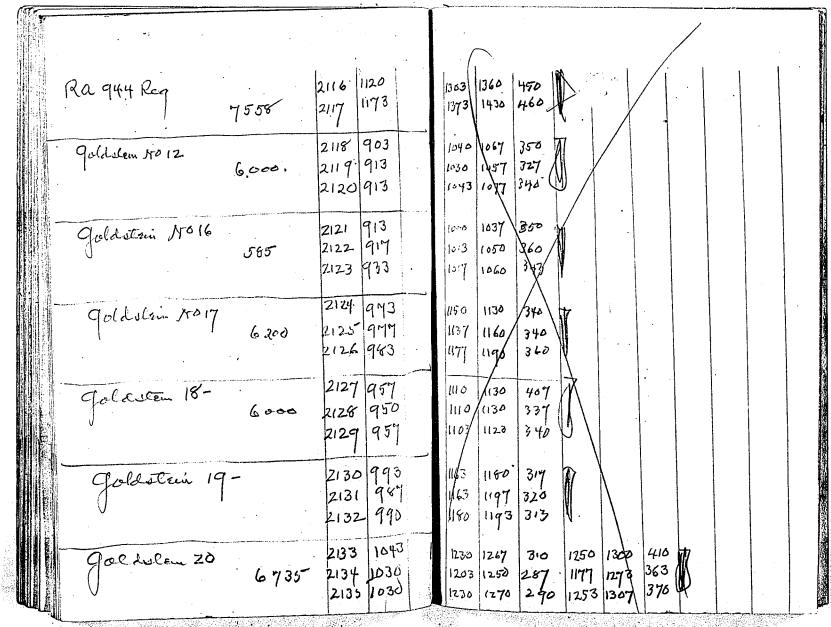
2096	1047										
2097	1077										
2098	1073										
2099	1077										
2100	1080										
2101	1077										
2102	1127										
2103	1147										
2104	1130										
2105	1127										
2106	1140										
2107	1107										
2108	1203										
2109	1210										
2110	1183										
2111	1213										
2112	1147										
2113	1213										
2114	1207										
2115	1193										

6 | 8439 / 1406
6 | 7949 / 1325
6 | 4370 / 730
5530 / 421

1306	1323	677	1358	1393	350						
1293	1323	693	1383	1423	513						
1270	1300	707	1350	1393	437						
1293	1317	650	1357	1400	403						
1327	1353	693	1373	1437	440						
1303	1333	650	1353	1393	357						
1284	1325	730	1361	1406	421						
1327	1453	683	1330	1593	493	1340	1490	6623			
1400	1513	800	1400	1630	580	1423	1550	673			
1333	1497	787	1373	1590	590	1367	1547	620			
1370	1493	741	1370	1597	703	1397	1580	637			
1377	1493	733	1450	1583	657	1377	1617	603			
1357	1490	756	1493	1647	827	1423	1593	570			
1467	1517	450	1550	1633	446	1527	1617	747			
1513	1557	500	1547	1667	627	1563	1667	777			
1513	1543	470	1567	1660	647	1503	1703	730			
1517	1560	500	1533	1710	710	1493	1780	743			
1510	1570	523	1570	1710	733	1567	1680	817			
1567	1620	593	1630	1720	740	1440	1727	827			
1353	1440	850									
1353	1473	853									

200	1/2	H					
19-							
2096	1253	1293	487				
2097	1357	1397	547				
2098	1230	1290	463				
2099	1310	1367	423				
2100	1327	1373	530				
2101	1253	1327	497				
2102	1373	1450	623	1363	1420	697	
2103	1450	1533	640	1363	1420	667	
2104	1440	1503	677	1340	1420	700	
2105	1457	1547	593	1417	1467	703	
2106	1450	1540	687	1423	1467	763	
2107	1460	1520	667	1417	1457	737	
2108	1507	1563	490	1447	1480	887	
2109	1417	1490	743	1350	1407	850	
2110	1497	1563	717	1457	1500	850	
2111	1433	1523	770	1110	1173	760	
2112	1530	1600	913	1403	1463	810	
2113	1523	1630	673	1410	1460	853	

993	1067	457	
1063	1183	1460	
993	1063	457	Saved with Spelt Crock
1100	1158	427	
1053	1137	477	
1013	1083	477	
1327	1393	650	
1330	1363	783	
1313	1467	803	
1417	1447	700	
1443	1493	763	
1393	1440	923	



Ra 944 Reg 7558
2116 1120
2117 1173

Goldstein No 12 6.000.
2118 903
2119 913
2120 913

Goldstein No 16 585
2121 913
2122 917
2123 933

Goldstein No 17 6200
2124 943
2125 949
2126 963

Goldstein 18- 6000
2127 957
2128 950
2129 957

Goldstein 19-
2130 993
2131 984
2132 990

Goldstein 20 6735
2133 1043
2134 1030
2135 1030

1303 1360 450
1373 1430 460

1040 1067 350
1030 1057 327
1043 1077 340

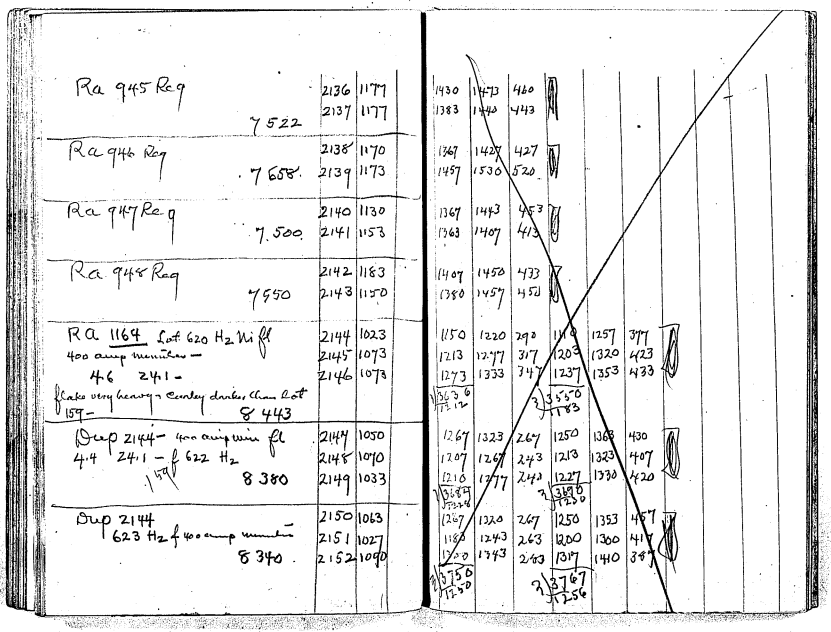
1000 1037 350
1013 1050 360
1017 1060 343

1150 1130 340
1137 1160 340
1177 1196 360

1110 1130 407
1110 1130 337
1107 1128 340

1163 1180 317
1163 1197 320
1180 1193 313

1230 1247 310 1250 1300 410
1203 1250 287 1177 1278 363
1230 1270 290 1253 1307 376



Ra 945 Rcq
7522
2136 1177
2137 1177

Ra 946 Rcq
7658
2138 1170
2139 1173

Ra 947 Rcq
7500
2140 1130
2141 1153

Ra 948 Rcq
7550
2142 1183
2143 1150

RA 1164 Lot 620 H_2 Mi ff
400 amp minutes —
46 241 —
flake very heavy a cinder dark, clean Lot
159 — 8443
2144 1023
2145 1073
2146 1073

Dup 2144 — 400 amp min fl
4.4 241 — f 622 H_2
8380
2147 1050
2148 1070
2149 1033

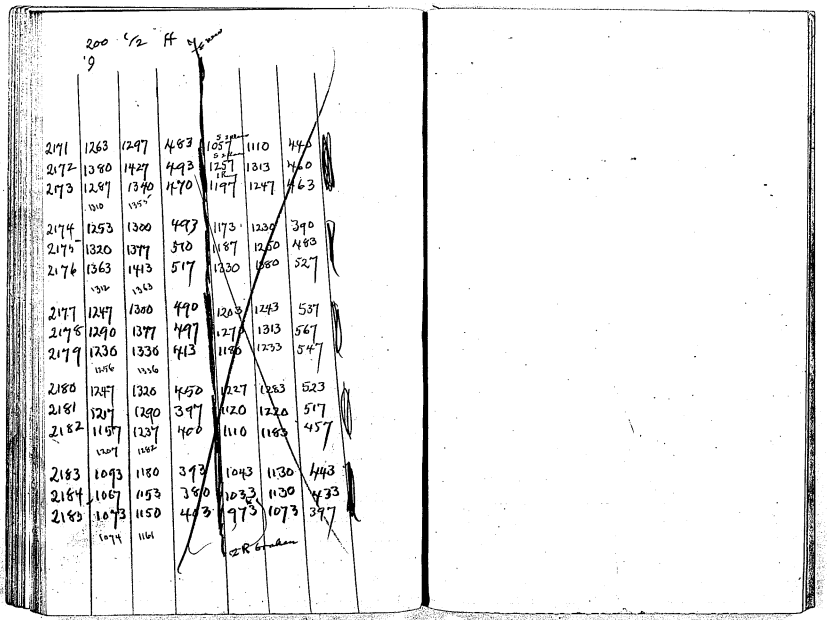
Dup 2144
623 H_2 f 400 amp minutes —
8340
2150 1063
2151 1027
2152 1040

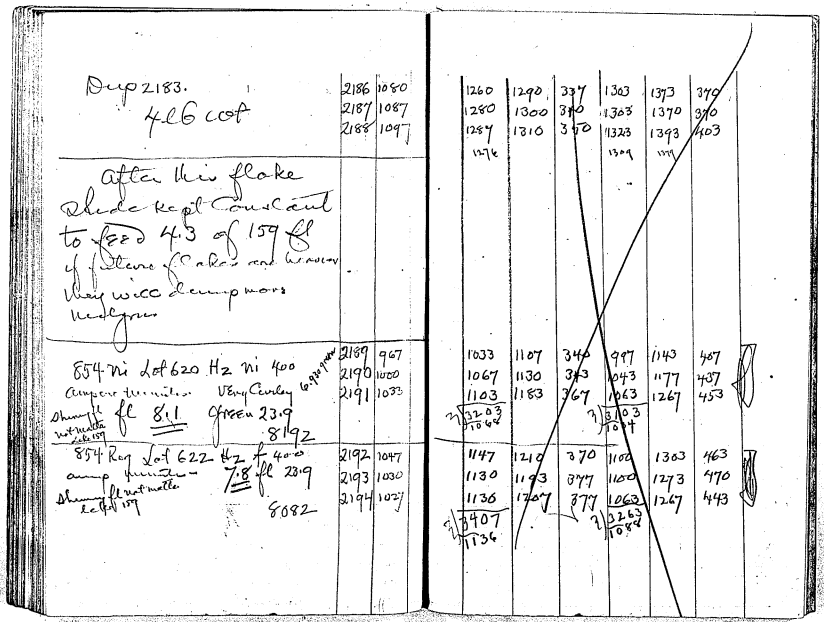
1430 1473 480
1383 1440 443
1367 1427 427
1457 1530 520
1367 1443 453
1363 1407 413
1409 1450 433
1380 1457 451
1150 1220 290
1213 1277 317
1273 1333 347
1263 1320 343
1267 1323 267
1207 1267 243
1216 1277 247
1267 1320 247
1180 1243 263
1220 1283 283
1250 1313 307
1257 377
1320 423
1353 433
1250 430
1213 407
1230 420
1250 457
1200 417
1240 387
1353
1360
1440

Goldstein 21	6350	2153	950	1193	1203	307	
		2154	943	1163	1183	310	
Goldstein 22	6128	2155	953	1117	1133	313	
		2156	963	1123	1147	307	
Ra 949 Reg	7550	2157	1177	1420	1457	343	
		2158	1173	1350	377	326	
Ra 950 Reg	7620	2159	1153	1370	1400	513	
		2160	1103	1300	1332	450	
Goldstein 23	6340	2161	970	943	1000	323	
		2162	940	963	967	307	
Goldstein 24	5940	2163	923	910	930	317	
		2164	927	917	967	333	
Goldstein 25	6350	2165	970	910	960	317	
		2166	943	960	1000	333	
Ra 951 Reg	7390	2167	1183	1383	1427	433	
		2168	1143	1377	1413	437	

Ra 952 - 7.430	2169	1180
	2170	1147
Ra 1253 Dup of 1164 big leaf 25 LG 4 ft 48 green 7937	2171	1107
	2172	1117
	2173	1090
Dup 2171 Except 4 lb overwt	2174	1100
	2175	1117
	2176	1107
Ra 1253 Dup 1164 big leaf. 4 ft 60 green 7795	2177	1090
	2178	1075
	2179	1110
Dup 2171 Except 46 coat 7858	2180	1117
	2181	1093
	2182	1112
1164 Dup big leaf. 4 ft 72 green 7649	2183	1090
	2184	1090
	2185	1097

50	½	#	100	½	#	150	½	#
1327	1363	410						
1300	1343	420						
1290	1320	347	1443	1517	573	1433	1540	581
1310	1340	349	1400	1467	577	1427	1500	533
1253	1283	333	1307	1387	500	1260	1363	427
1299			1363			1373	1465	
1283	1298	363	1297	1380	467	1237	1343	360
1303	1337	337	1390	1447	497	1287	1430	357
1297	1327	333	1347	1437	450	1317	1427	443
1246			1345			1240	1400	
1267	1290	327	1297	1383	433	1273	1350	463
1260	1293	317	1283	1367	407	1297	1370	560
1300	1317	330	1307	1390	387	1317	1403	530
1294			1298			1296	1398	
1283	1307	303	1303	1390	373	1293	1387	493
1287	1313	331	1291	1390	367	1297	1377	463
1283	1303	323	1303	1393	367	1227	1357	397
1249			1301			1269	1379	
1300	1317	373	1303	1383	397	1183	1313	365
1260	1280	320	1257	1323	363	1187	1297	367
1280	1300	342	1240	1353	330	1233	1380	423
1240			1277	1352		1201	1319	


200 '12 ft
'9
2171 1263 1297 483 1057 1110 440
2172 1380 1427 493 1257 1313 460
2173 1287 1340 490 1197 1247 463
1310 1357
2174 1253 1300 493 1173 1230 390
2175 1320 1377 510 1187 1250 483
2176 1363 1413 517 1230 1680 527
1396 1443
2177 1247 1300 490 1203 1243 537
2178 1290 1377 497 1277 1313 567
2179 1236 1336 443 1196 1233 547
1256 1336
2180 1247 1326 450 1227 1283 523
2181 1217 1290 397 1120 1220 517
2182 1197 1237 460 1110 1183 457
1207 1282
2183 1093 1180 373 1043 1130 443
2184 1067 1153 360 1033 1130 433
2185 1073 1150 443 973 1073 397
1074 1161
ER Graham


Dup 2183.
4L6 coat
2186 1080
2187 1087
2188 1097
after this flake
Rhode Island Coastal
to 42 43 of 159 ft
if flakes not known
they were dump mats
Hedgpeth
854 Ni Lot 620 Hz ni 400
camper trailer
VEry Cooley
Shumaker
Nut mallo
Lot 159
ft 8.1
Green 23.9
8192
854 Ney Lot 622 Hz ni 400
camp furniture
7.8 ft 23.9
Shumaker Nut mallo
Lot 159
8082
2189 967
2190 1000
2191 1033
2192 1047
2193 1030
2194 1027
1260 1290 337 1303 1373 370
1280 1300 340 1303 1370 370
1284 1310 350 1328 1393 403
1276 1309 1379
1033 1107 340 997 1143 407
1067 1130 343 1043 1177 437
1103 1183 367 1063 1267 453
7 32 03 7 3 10 3
10 66 10 64
1147 1210 370 1100 1303 463
1130 1193 377 1100 1273 470
1136 1207 377 1063 1247 443
7 3407 7 32 63
1136 10 84

2186	1307	1370	557	1063	1153	427	
2187	1307	1360	523	1077	1163	400	
2188	1330	1387	500	1107	1198	447	
2189							
90							
91							
2192							
93							
94							

Lot 623 Hz 400 amp Ammeter

7.8 ft cable 23.9 854 per ft

8.0150

Lot 10 2 min flake for 10 bridges

854 — 8.3 ft 23.9 per ft

skinny skyhill Corkery

8050

Lot 11 1 3/4 min flake for 10 bridges

7.5 ft. 23.9 854 per ft

skinny skyhill Corkery

7898

Goldstein 26

6008

Goldstein 29

6030

Goldstein 34

6250

2195	1000		
2196	1003		
2197	1027		
2198	1027		
2199	1030		
2200	1030		
2201	1010		
2202	1010		
2203	1003		
2204	893		
2205	893		
2206	947		
2207	937		
2208	900		
2209	977		

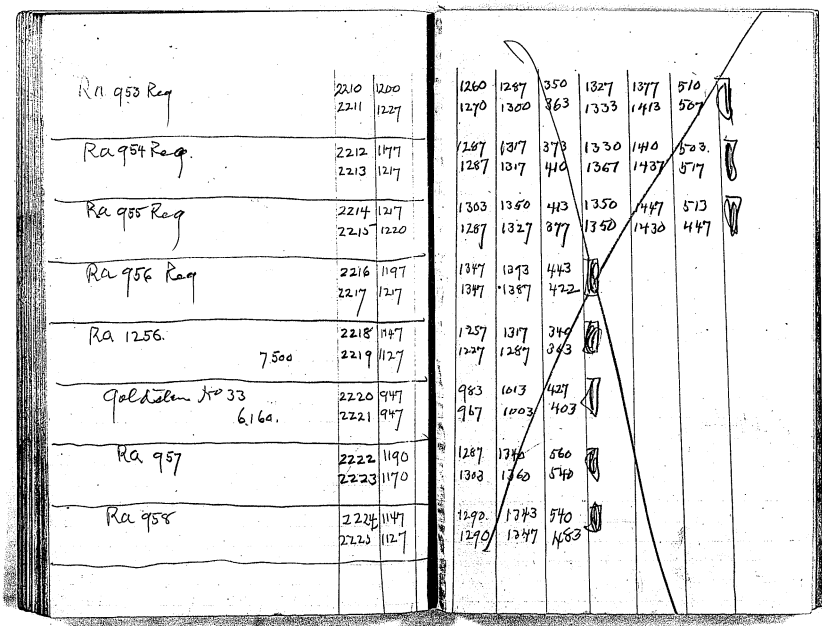
1103	1187	387	1040	1227	443
1067	1133	353	1013	1197	390
1150	1227	410	1100	1310	457
3320			3 3153		
1107			1051		
1077	1127	367	1040	1178	423
1117	1177	410	1060	1257	440
1133	1200	433	1097	1327	520
3327			3 3197		
1109			1066		
1093	1143	380			
1133	1180	447			
1100	1147	443			
3326					
1109					
963	1013	487			
947	977	413			
1010	1040	587			
990	1000	557			
813	1287	350			
457	1320	363			

2195	1030	1233	510
2196	1027	1200	493
2197	1127	1313	507
	3184		
2198	1033	1153	437
2199	1057	1267	460
2200	1090	1300	487
	3180		
2201	1033	1200	403
2202	1033	1263	467
2203	1040	1280	490
	3106		

1027 × 42 = 43134

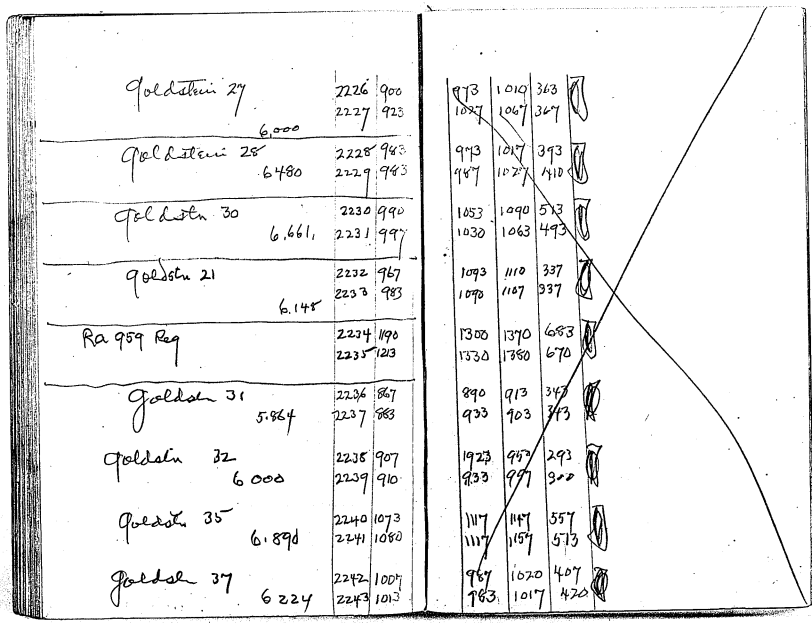
1027 × 42 = 43134

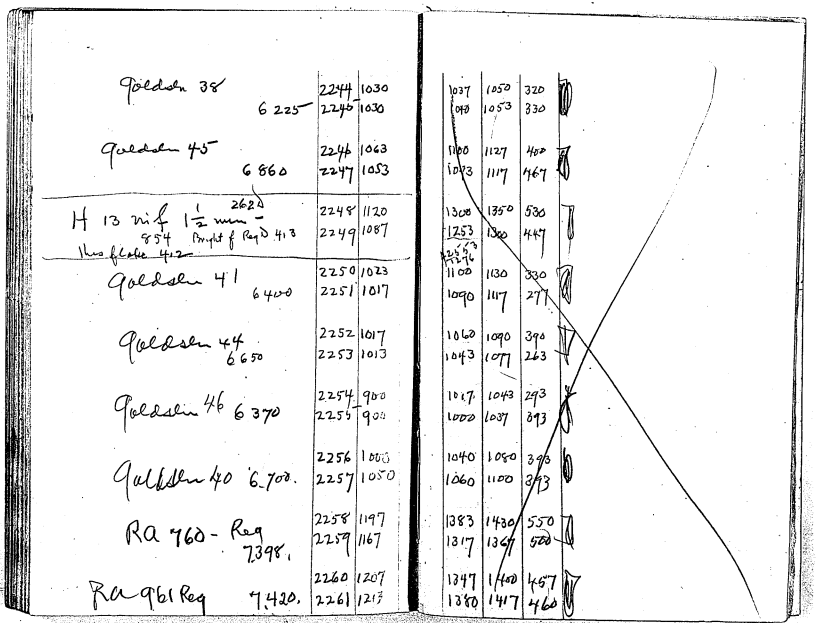
1448 × 1347 = 1950456



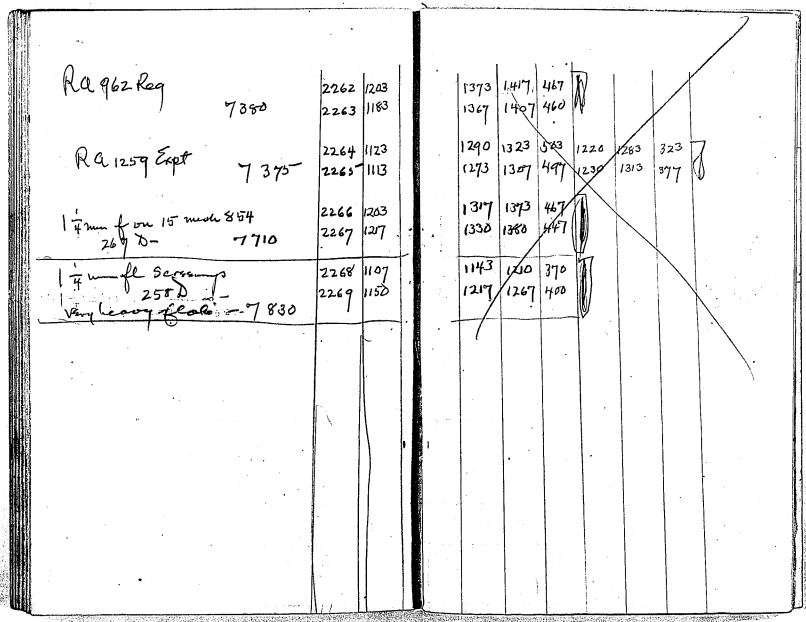
Ra 953 Reg	2210	1200
	2211	1227
Ra 954 Reg.	2212	1177
	2213	1217
Ra 955 Reg	2214	1217
	2215	1220
Ra 956 Reg	2216	1197
	2217	1217
Ra 1256.	2218	1147
7500	2219	1127
Gold Token No 33	2220	947
6.16a.	2221	947
Ra 957	2222	1190
	2223	1170
Ra 958	2224	1147
	2225	1127

1260	1287	350	1327	1377	510	
1270	1300	363	1333	1413	507	
1287	1317	378	1330	1410	503	
1287	1317	410	1367	1437	517	
1303	1350	413	1350	1447	513	
1287	1327	377	1350	1430	447	
1347	1373	443				
1347	1387	422				
1257	1317	349				
1227	1287	343				
983	1013	427				
967	1003	403				
1287	1340	560				
1308	1360	548				
1290	1343	540				
1290	1347	483				


Goldstein 29
2226 900
2227 923
6,000
Goldstein 28
2228 983
6480
2229 983
Goldstein 30
2230 990
6,661,
2231 997
Goldstein 21
2232 967
2233 983
6.145
Ra 959 Reg
2234 1190
2235 1213
Goldstein 31
2236 867
5.864
2237 883
Goldstein 32
2238 907
6 000
2239 910
Goldstein 35
2240 1073
6.890
2241 1080
Goldstein 37
2242 1007
6 224
2243 1013
973 1010 363
1027 1067 367
973 1017 393
987 1027 410
1053 1090 513
1030 1063 493
1093 1110 337
1090 1107 337
1300 1370 683
1330 1380 670
890 913 343
933 903 343
1923 993 293
933 997 300
1117 1149 557
1117 1159 573
967 1020 407
983 1017 420



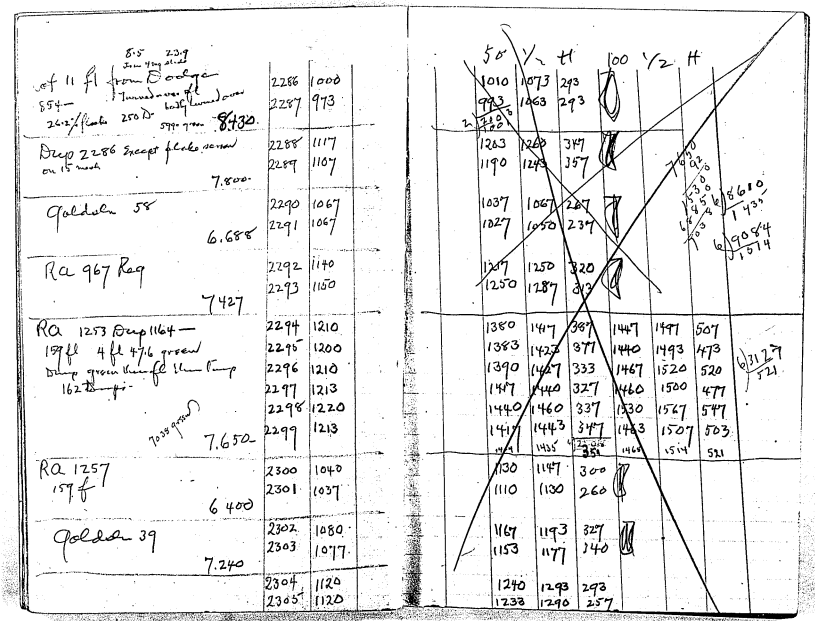
Goldsh 38	2244	1030	1037	1050	320
6 225	2245	1030	1043	1053	330
Goldsh 45	2246	1063	1100	1127	407
6 860	2247	1053	1093	1117	467
H 13 mif 1 1/2 mm 2620	2248	1120	1300	1350	530
854 Proft of Reg 413	2249	1087	1253	1300	447
Ihs flake 412			1100	1130	330
Goldsh 41	2250	1023	1090	1117	277
6400	2251	1017			
Goldsh 44	2252	1017	1060	1090	390
6650	2253	1013	1043	1077	263
Goldsh 46 6 370	2254	900	1017	1043	293
	2255	900	1000	1037	373
Goldsh 40 6.700.	2256	1000	1040	1080	393
	2257	1050	1060	1100	343
Ra 760 - Reg 7398.	2258	1197	1383	1430	550
	2259	1167	1317	1367	500
Ra 961 Reg 7,420.	2260	1207	1347	1400	457
	2261	1213	1380	1447	460


Ra 962 Reg
7380
2262 1203
2263 1183
1373 1417 467
1367 1407 460
Ra 1259 Expt
7375
2264 1123
2265 1113
1290 1323 583 1220 1283 323
1273 1307 499 1230 1313 377
1 1/4 mm f on 15 mesh 854
264 D-
7710
2266 1203
2267 1217
1317 1373 467
1330 1380 467
1 1/4 mm fl Sepramp
25 D -
Very heavy float
7830
2268 1107
2269 1150
1143 1210 370
1217 1267 400

Notebook, N-11-11-03.1

RA 1246 159 – 42 23.5 276 D	2270	1117
	2271	1130
7.693		
RA 1245 159 – 42 23.7 258 D	2272	1047
	2273	1063
7.860		
Caldon 42	2274	1053
	2275	1050
6.900.		
RA 963 Reg Run Sensing 23% from both on last pass 3% from reflected sensing Overlay	2276	1120
	2277	1143
7.320		
RA 964. Reg	2278	1137
	2279	1137
7.400		
RA 966 Reg	2280	1160
	2281	1147
7.445 –		
Caldon 36	2282	1013
	2283	1003
6.800.		
RA 941 Reg from Bodge	2284	1008
	2285	973
7.625 –		

1253	1317	404	1223	1330	380
1263	1343	413	1263	1323	433
1217	1300	443	1220	1287	497
1217	1283	433	1230	1303	567
1037	1070	310			
1023	1060	323			
1217	1250	393			
1270	1310	460			
1250	1290	393			
1290	1327	447			
1290	1333	368			
1250	1290	337			
1020	1050	352			
1000	1033	307			
1300	1343	360			
1290	1307	328			


8.5 23.9
Iron Mtg at 1st
of 11 ft from Bodega
Tunnel runs ft
Tunnel runs
854—
262/Flocks 250 Dr 594 grass 8432
Drop 2286 Except flocks normal
on 15 month
7.800
Golden 58
6.688
Ra 967 Req
7427
Ra 1253 Drop 1164—
197 ft 4 ft 47.6 grass
Ditch grass 1 ft Flow Pump
1627 Pipe
7.650
Ra 1257
197 ft
6 400
Golden 39
7.240
2286 1000
2287 973
2288 1117
2289 1107
2290 1067
2291 1067
2292 1140
2293 1150
2294 1210
2295 1200
2296 1210
2297 1213
2298 1220
2299 1213
2300 1040
2301 1037
2302 1080
2303 1077
2304 1120
2305 1120
50 1/2 H 100 1/2 H
1010 1073 293
993 1063 293
1263 1269 347
1190 1245 357
1037 1067 227
1027 1050 234
1307 1250 320
1250 1287 313
1380 1447 387 1447 1491 507
1383 1423 371 1440 1493 473
1390 1427 333 1467 1520 520
1447 1440 327 1460 1500 477
1440 1460 337 1530 1567 547
1417 1443 347 1493 1507 503
1435 1460 1514 521
1130 1147 300
1110 1130 260
1167 1193 327
1153 1177 340
1240 1293 293
1238 1290 257
8610
1435
19084
1014
6317.29
521

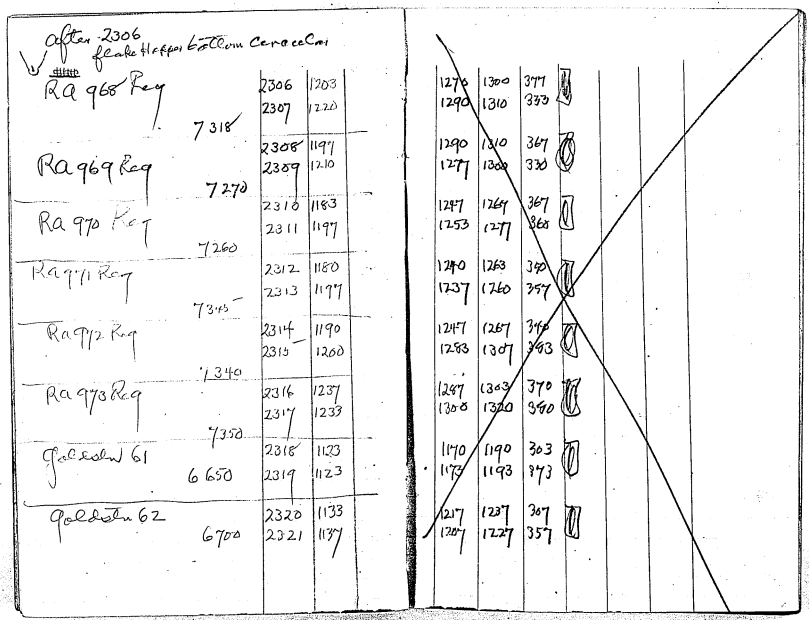
•9

150 ½" H

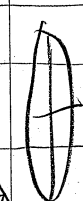
6 | 89 26
  | 77 88
  7 | 1188
    | 240

6 | 4467 8912
  | 744 81 5 30

2294	1480	1540	863	1367	1473	690	
2295	1463	1503	797	1353	1463	640	
2296	1510	1573	813	1413	1586	697	
2297	1460	1490	667	1363	1477	600	
2298	1520	1553	657	1420	1497	580	
2299	1493	1523	673	1407	1457	580	
	1488	1530	744				


after 2306
fleake Hoppa Eaccom Ceraceam
Ra 968 Req
7318
2306 1203
2307 1220
Ra 969 Req
7270
2308 1197
2309 1210
Ra 970 Req
7260
2310 1183
2311 1197
Ra 971 Req
7345
2312 1180
2313 1197
Ra 972 Req
7340
2314 1190
2315 1200
Ra 973 Req
7350
2316 1237
2317 1233
Goldstein 61
6650
2318 1123
2319 1123
Goldstein 62
6700
2320 1133
2321 1137
1270 1300 377
1290 1310 373
1290 1310 367
1277 1300 370
1287 1269 367
1253 1277 365
1240 1263 370
1237 1260 357
1247 1267 370
1283 1307 373
1287 1303 370
1300 1320 370
1170 1190 303
1173 1193 303
1217 1237 367
1207 1227 357

Qal Rub 59	2322	1177	1250	1290	333	1243	1363	437
7.740	2323	1183	1287	1300	357	1273	1360	440
Snap Pinhole w/ Crossing on 1164								
Qal Rub 43	2324	1043	1043	1083	427			
	2325	1040	1020	1053	452			
6 820								
Qal Rub 47	2326	1097	1150	1190	380			
	2327	1118	1150	1200	357			
7040								
Qal Rub 57	2328	1053	1163	1133	383			
	2329	1067	1113	1140	364			
6.900								
Qal Rub 63	2330	967	980	1010	430			
	2331	950	983	1013	427			
6 230								
Ra 1253 Dup 1164 - 2516	2332	1200	1291	1340	360	1310	1350	453
70 gm Cut Bit Emb 1630	2333	1193	1277	1320	363	1287	1327	433
4.2 4.76 Grout	2334	1180	1277	1317	380	1280	1340	417
21K 1 gm Lo61. 7850						1297		
Dup 2332 1600	2335	1207	1220	1260	297	1273	1313	383
21K 1/2 gm Lo61.	2336	1183	1280	1257	267	1220	1258	377
	2337	1210	1210	1250	284	1237	1273	380
			1210			1243		
Dup 2332	2338	1223	1207	1237	283	1230	1267	353
21K 1/4 gm Lo61.	2339	1223	1280	1240	350	1237	1270	343
1600-	2340	1200	1210	1233	353	1217	1243	297
						1227		

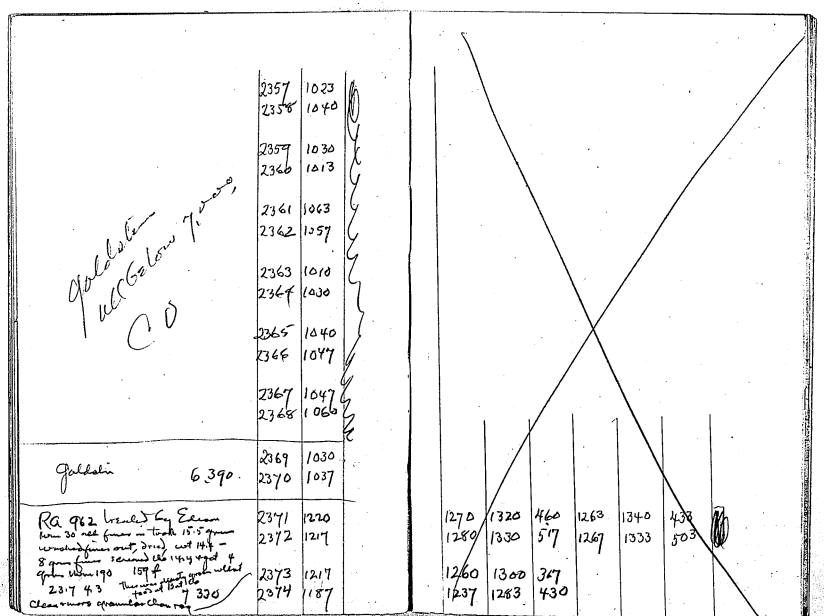


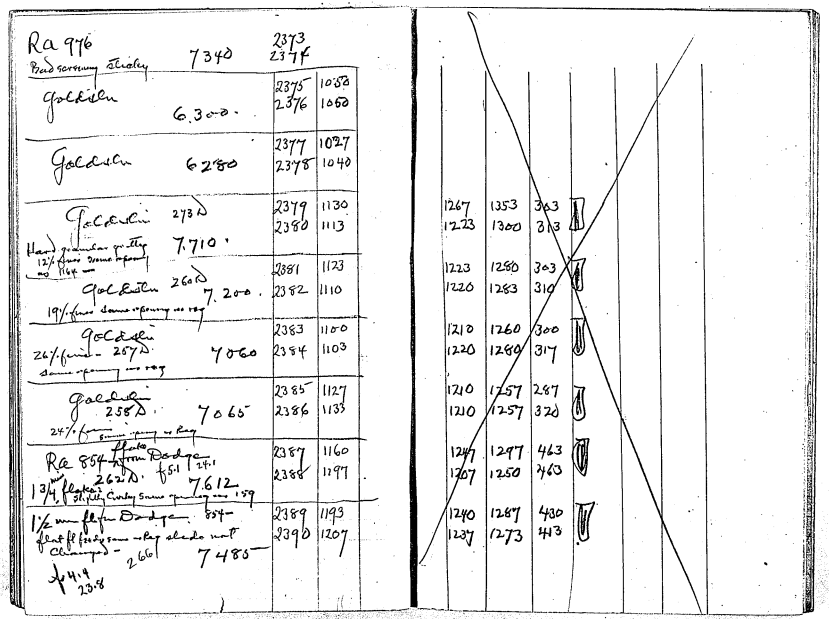
150

19.

2332	1200	1247	533
2333	1227	1247	577
2334	1243	1267	640
2335	1167	1200	503
2336	1073	1100	520
2337	1153	1177	517
2338	1140	1173	420
2339	1163	1140	367
2340	1067	1073	333

Goldsh 64	2341	993		963	993	387	
	2342	997		957	987	410	
6152							
Gelsh 65	2343	1067		1020	1061	350	
	2344	1077		1027	1067	347	
6740							
Ra 972 Reg with 12% fence 1.95 Vitrified mix pellets	2345	1183		1250	1293	430	
	2346	1190		1257	1300	447	
7425							
Ra 1261 Mpt 942 mush barrier Lacuna spotting 159	2347	1043		1220	1247	413	
	2348	1047		1230	1273	440	
7010							
Ra 973 mild at first aspect of [illegible]	2349	1157		1293	1340	507	
Tolpuddle	2350	1147		1293	1333	493	
7368							
Ra 974 Reg	2351	1220		1243	1287	410	
	2352	1210		1243	1270	380	
7308							
Ra 975 Reg	2353	1220		1257	1313	380	
	2354	1247		1300	1340	420	
7360							
Gelsh 48	2355	1013					
	2356	1023					
6500							


2357 1023
2358 1040
2359 1030
2366 1013
2361 1063
2362 1057
2363 1010
2364 1030
2365 1040
2366 1047
2367 1047
2368 1066
2369 1030
2370 1037
2371 1220
2372 1217
2373 1217
2374 1187
1270 1320 460 1263 1340 438
1289 1330 517 1267 1333 503
1260 1300 347
1237 1283 430



Ra 976
Brad sorrowy stricky 7340
2373
2374

Goldilocks 6.300.	2375	1058
	2376	1060
Goldilocks 6280	2377	1027
	2378	1040
Goldilocks 273 D	2379	1130
	2380	1113
Hand grainer pretty 13% fines some opening no Hgt 7.710.		
Goldilocks 260 D 7.200.	2381	1123
	2382	1110
19% fines some opening no ray		
Goldilocks	2383	1100
24% fines - 267 D 7060	2384	1103
some opening no ray		
Goldilocks 258 D. 7065	2385	1127
	2386	1133
24% fines some opening no Ray		
Ra 854 from Dodge 262 D. 7612	2387	1160
13% fines f51 24.1	2388	1197
Slightly cinky some opening no Hgt		
1% mm fines Dodge 854 - flat ff fines no Ray shade not cleaning 2660 7485	2389	1193
	2390	1207

4.9
23.8

1267	1353	363	
1223	1300	313	
1223	1280	303	
1220	1283	310	
1210	1260	300	
1220	1280	317	
1210	1257	287	
1210	1257	320	
1247	1297	463	
1207	1250	463	
1240	1287	430	
1237	1273	443	

Ra 985 Ref 197 f	7.275	2391	1173
		2392	1153
Ra 980 Ref 269	7.360	2393	1200
		2394	1177
Ra 968 - Washed	7.320	2395	1164
		2396	1143
Ra 962 coarsed	7.245	2397	1160
		2398	1153
Ra 972 - coarsed 269	7.245	2399	1153
		2400	1147
Ra 977 Ref	7340	2401	1200
		2402	1197
Ra 978 Ref 276 D	7.515	2403	1190
		2404	1170
Ra 979 271 D	7.400	2405	1193
		2406	1220
Ra 1258 Sept 4 197 - 24 284 A	8, 120	2407	1020
		2408	1043

1280	1323	473	
1287	1290	493	
1337	1393	533	
1307	1380	563	
1297	1350	610	
1290	1347	583	
1327	1390	623	
1290	1357	590	
1260	1300	427	
1250	1283	400	
1283	1340	417	
1267	1320	450	
1250	1300	467	
1283	1353	577	
1290	1357	533	
1320	1380	586	
1100	1220	350	
1183	1263	403	

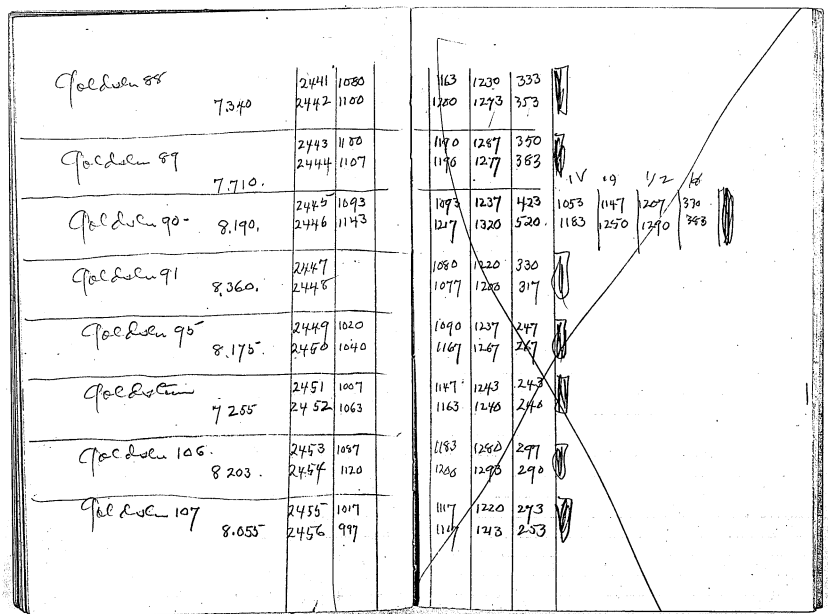
Ra 981 – Req 280 D	7445	2409	1190
		2410	1177
Double prevailing pressures to Brackett			
Ra 982 Req	7480	2411	1173
		2412	1177
Ra 984 Req 285 D	7460	2413	1220
		2414	1220
Ra 986 Dup 284 D	7482	2415	1190
		2416	1217
Dup of 2284 15 ft Dodge 941 264 D	7605	2417	1220
		2418	1213
Lot 14 N of 10/40 min 554 S 58 E 23.8	7690	2419	1097
		2420	1093
Skyline Cond. Under construction			
Ra 987 286 D	7400	2421	1133
		2422	1147
Qarkeln	7340	2423	1107
		2424	1083

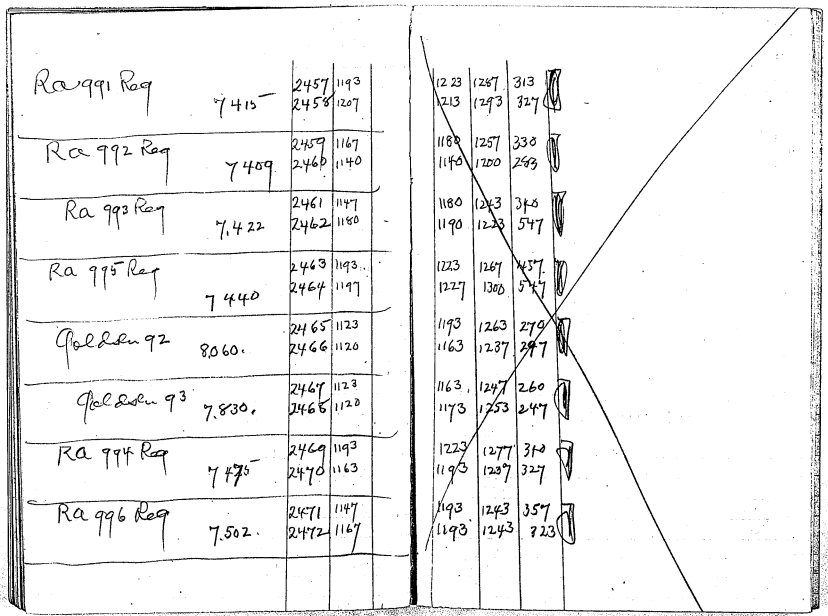
1258	1323	447	
1253	1316	570	
1233	1297	453	
1217	1270	457	
1257	1313	460	
1290	1350	457	
1220	1280	407	
1250	1323	410	
1250	1300	317	
1250	1303	307	
1153	1213	363	
1167	1207	460	
1247	1320	537	
1247	1313	570	
1160	1247	290	
1247	1297	817	

Ra 983 Req	7400	2428	1140
		2426	1157
Ra 984 Req	7400	2427	1160
		2428	1133
Ra 988 Req	7.428	2429	1163
		2430	1183
Ra 989	7.382	2431	1153
		2432	1147
Ra 990	7450	2433	1157
		2434	1153
Batty Ni f on Cu Sol'n covered by Elkem with air 834 4.2 24	7493	2435	1205
		2436	1210
Dup 2435 – Ra 1253 sup 1164 300 D	8295	2437	980
		2438	993
Golddisk 85	7.062	2439	1130
		2440	1130

1217	1270	390
1247	1300	430
1233	1240	410
1190	1258	407
1230	1283	437
1270	1333	460
1220	1270	427
1230	1280	483
1213	1253	370
1227	1287	397
1283	1333	406
1277	1333	427
1087	1210	313
1113	1240	327
1200	1253	433
1187	1227	413

Ir	Rh	1/2	H	Co		
				g	1/2	H
1187	1230	1267	610	1210	1313	670
1187	1229	1260	520	1220	1288	677
1052	1127	1227	287			
1047	1147	1267	326			


Goldsen 88
7.340
2441 1080
2442 1100
Goldsen 89
7.710.
2443 1100
2444 1107
Goldsen 90-
8.190.
2445 1093
2446 1143
Goldsen 91
8.360.
2447
2448
Goldsen 95
8.175.
2449 1020
2450 1040
Goldsen
7.255
2451 1007
2452 1063
Goldsen 106.
8.203.
2453 1097
2454 1120
Goldsen 107
8.055
2455 1017
2456 997
1163 1230 333
1200 1273 353
1190 1287 350
1196 1277 383
1093 1237 423
1217 1320 520.
1080 1220 330
1077 1286 317
1090 1237 247
1167 1267 267
1147 1243 243
1163 1248 248
1183 1282 291
1206 1298 290
1117 1220 273
1147 1243 253
1.V .9 1/2
1053 1147 1207 370
1183 1250 1290 388


Ra 991 Rag
7415
2457 1193
2458 1207
Ra 992 Rag
7409
2459 1167
2460 1140
Ra 993 Rag
7.422
2461 1147
2462 1180
Ra 995 Rag
7440
2463 1193
2464 1197
Golden 92
8060.
2465 1123
2466 1120
Golden 93
7.830.
2467 1123
2468 1120
Ra 994 Rag
7475
2469 1193
2470 1163
Ra 996 Rag
7.502.
2471 1147
2472 1167
1223 1267 313
1213 1293 327
1189 1257 338
1140 1200 283
1180 1243 348
1190 1233 547
1223 1267 437
1227 1308 547
1193 1263 279
1163 1237 297
1163 1247 260
1173 1253 247
1223 1277 348
1193 1287 327
1193 1243 357
1193 1243 723

Ra 997	7550	2473 2474	1150 1143
Some Geotech terminology			
Ra 997 mixed with 16% of fines screened from 190 mesh kraft impregnable washed sand by Elsevier	7.068	2475 2476	1143 1163
Lot 15 f 854 270 D 5.8 23.8	7.750	2477 2478	1097 1103
Lot 15 f Ra 1253- 5.8 24	7.400	2479 2480	917 917
Ra 998 Reg	7300	2481 2482	1150 1147
Ra 999 Reg	7374	2483 2484	1100 1160
Ra 1000 - Reg	7480	2485 2486	1177 1173
Ra 1002 Reg	7420	2487 2488	1180 1183
Goldish 94	7538	2489 2490	1170 1167

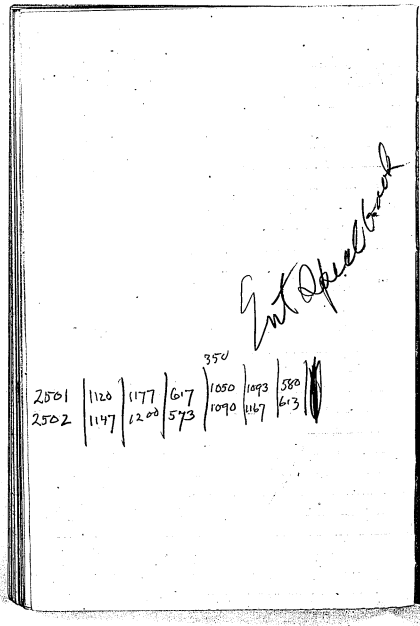
1187	1245	313					
1173	1233	323					
1210	1277	337	1207	1253	507		
1187	1243	343	1200	1243	490		
1098	1170	349					
1090	1160	333					
930	1190	270					
917	1053	247					
1180	1230	360					
1180	1220	333					
1167	1220	313					
1217	1273	320					
1217	1260	330					
1187	1247	3367					
1207	1247	390					
1233	1290	347					
1160	1230	277					
1160	1227	2587					

Golden 97	7.490	2491	1160
		2492	1173
Golden	7.990	2493	1150
		2494	1157
Golden 99	8.360	2495	1090
		2496	1093
Golden	8063	2497	987
		2498	983
Golden 103	.7415	2499	980
		2500	1004
Mistake from Copper Solvent wash by Evelyn sep by Lawrence Sep 2 Exam 2.9 of 2319 854	7245	2501	1243
		2502	1250
Dup of 2501 1253 - 0.5 1164 25 LB Dup 8070		2503	1037
		2504	1033

1167	1268	1150	1197	1237	1260	327			
1187	1267	153	1210	1258	1240	376			
1123	1227	267							
1127	1223	307							
1687	1223	317							
1070	1200	293							
1110	1197	347							
1107	1173	840							
1110	1190	307							
1123	1193	823							
1283	1337	550	1283	1343	430	1127	1253	533	
1323	1373	447	1307	1370	408	1173	1277	577	
1197	1273	317	1217	1257	303				
1187	1263	380	1217	1277	327				

1 · 9 · 1/25 14

2 | 2590 | 2 | 2300
1295 | 1150
1150 | 14
14


2501 | 1120 | 1177 | 617 | 1050 | 1093 | 580
2502 | 1147 | 1203 | 573 | 1090 | 1167 | 613
350

Lot 16 f 1½ cm 1253-2nd) 1164	2505	845
4.6 f 24.2 - 302D 8340	2506	900
Dup 2505 854 4.6 f	2507	1130
24.1 266D	2508	1113
Lot 159 f treated ammonium Sulfide	2509	1219
4 free Ntly hot 854	2510	1200
4.3 24.1 7427		
159 f treated hot dil Nitty Chloride	2511	1223
854 3.9 24.1	2512	1220
7.4cm.		
159 f treated hot 21K mell	2513	1193
Sulfate Cu, blue, dulut deposit Cu	2514	1199
854 7380		
159 f 854 - 3.9 24.1	2515	1247
treated hot glacial glow acced	2516	1260
7360		
159 - treated hot K Hypochloride	2517	1173
blackened deposit —	2518	1169
4.7 854 - 7435		
159 f treated hot KCy	2519	1183
4.4 24.1 7400	2520	1180
854		

50	½	H	100 .9	½	H	
870	997	287	977	990	230	
933	1050	310	1017	1060	260	
1153	1200	427	1193	1207	407	
1116	1180	417	1183	1207	440	
			2) 2397			
1220	1263	447	1193.44			
1193	1257	417				
1193	1240	413				
1220	1260	367				
1167	1220	420				
1217	1287	470				
1290	1353	557	1317	1357	483	
1297	1363	527	1333	1373	483	
1217	1260	510.				
1217	1257	457				
1197	1260	497				
1167	1217	403				

Improvement of low apparently.

159 f treated half Bromine water - very definite - 4:2 24:1 854 7.350.	2521	1227		1223	1280	820					
	2522	1243		1270	1313	543					
							.9				
dat 159 f 800 dumps of Cake no green - flakes seemed coarser dried - it was pounded 7320 834 - 4:1 24:1	2523	1241		1377	1430	673	1367	1440	550		
	2524	1243		1343	1403	610	1327	1380	584		
159 - treated half Sulfocyanide K blackens at once - precipitate 4.5 24:1 854 7433	2525	1217		1120	1200	440					
	2526	1232		1113	1280	410					
159 f treated half Na sulfate in cellule 5 drops of dont dissolve 4:3 24:1 854 7420	2527	1173		1213	1260	460					
	2528	1210		1240	1280	410					
Goldsch 96 159 7870	2529	1073		1213	1267	347					
	2530	1067		1080	1280	327					
Goldsch 109 159 f 7400	2531	1063		1157	1227	303					
	2532	1070		1143	1227	297					
Goldsch 117 159 f 7.630.	2533	1033		1103	1263	293					
	2534	1090		1210	1267	333					
Goldsch 159 f - 7440	2535	1037		1130	1263	267					
	2536	1090		1160	1227	267					

2523/13 1.96

Golden 113	7448	2537	1073
		2538	1073
Golden 116	7300	2539	1070
		2540	1063
Ra 1003 Reg	7360	2541	1137
		2542	1133
Ra 1004 Reg	7.375	2543	1147
		2544	1147
Ra 1005 Reg	7432	2545	1127
		2546	1123
Ra 1006 Reg	7.445	2547	1140
		2548	1150
Ra 1007 Reg	7510	2549	1117
		2550	1133
Ra 1008 Reg	7490	2551	1117
		2552	1140

50

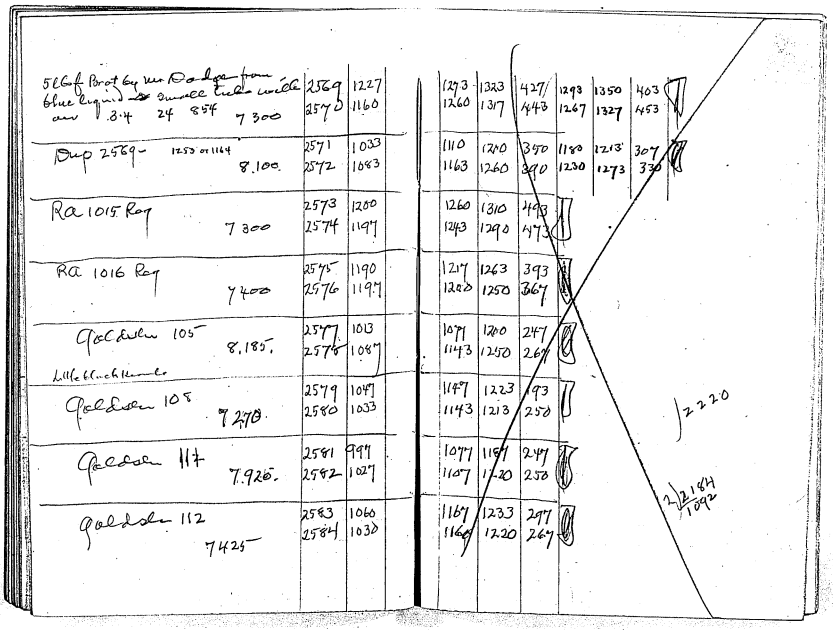
1210	1253	290	
1187	1213	277	
1127	1203	290	
1127	1207	287	
1247	1277	413	
1200	1250	420	
1250	1293	423	
1217	1260	393	
1247	1283	420	
1190	1233	397	
1193	1240	397	
1230	1290	430	
1230	1287	423	
1230	1287	433	
1260	1333	507	
1260	1333	500	

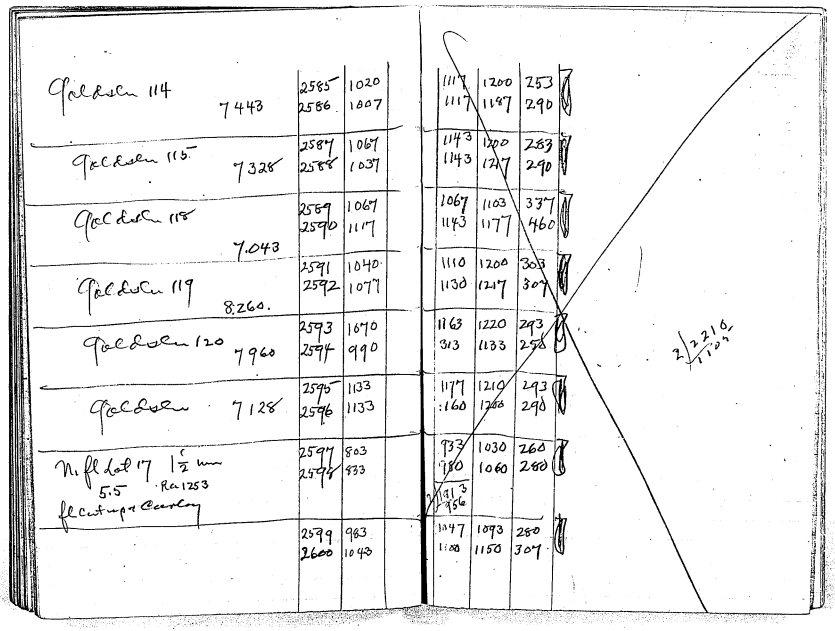
2/23/67
T #3

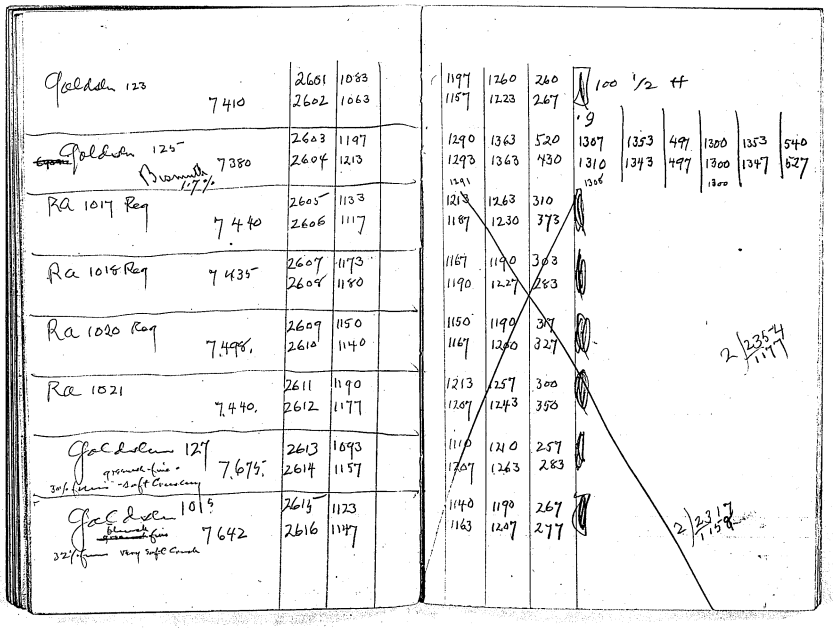
				50 1/2 H				150 1/2 H					
Ra 1009 Reg	7.470-	2553 2554	1183 1177	1260 1280	1313 1247	460 427							
Ra 1010 - Reg Some black kernels	7600	2555 2556	1137 1160	1230 1247	1300 1313	497 497							
Ra 1011. Reg	7.400	2557 2558	1197 1193	1260 1263	1310 1327	460 463							
Ra 1012 Reg	7475	2559 2560	1197 1213	1243 1243	1303 1290	470 443							
Ra 1013 Reg	7500	2561 2562	1193 1197	1243 1217	1300 1267	477 440							
Ra 1014 Reg	7640	2563 2564	1153 1200	1163 1217	1240 1277	410 413	.9			.9			
Golden 128 15% from Bismuth	7.470 17% Bismuth	2565 2566	1213 1230	1357 1390 1373	1443 1463	620 610	1347 1347 1347	1387 1387	317 433	1353 1363 1358	1380 1418	377 400	
Golden 104	7584	2567 2568	997 1063	1080 1143	1180 1200	243 298							

2/2223

					350		
	200	1/2	H				
2565	1293	1357	603	1237	1323	647	
2566	1343	1407	697	1240	1343	673	




Gaddum 114
7443
2585 1020
2586 1007
1117 1200 253
1117 1187 290
Gaddum 115
7328
2587 1067
2588 1037
1143 1200 283
1143 1217 290
Gaddum 116
7.043
2589 1067
2590 1117
1067 1103 337
1143 1177 460
Gaddum 119
8.260.
2591 1040
2592 1077
1110 1200 303
1130 1217 307
Gaddum 120
7960
2593 1070
2594 990
1163 1220 293
313 1233 258
Gaddum 7128
2595 1133
2596 1133
1177 1210 293
:160 1266 298
Nuffield 17 1/2 mm
5.5 Ra 1253
fluctuating cavity
2597 803
2598 933
733 1030 260
780 1060 280
2599 983
2600 1043
1047 1093 280
1200 1150 307


Goldden 123
7410
2601 1083
2602 1063
Goldden 125
7380
2603 1197
2604 1213
Ra 1017 Reg
7440
2605 1133
2606 1117
Ra 1018 Reg
7435
2607 1173
2608 1180
Ra 1020 Reg
7.498.
2609 1150
2610 1140
Ra 1021
7.440.
2611 1190
2612 1177
Golden 127
7.675.
2613 1093
2614 1157
Golden 105
7642
2615 1123
2616 1147
1197 1260 260
1157 1223 267
100 1/2 ft
1290 1363 520 1307 1353 491 1300 1353 540
1293 1363 430 1310 1343 497 1300 1347 627
1213 1263 310
1187 1230 373
1167 1190 303
1190 1227 283
1150 1190 307
1167 1200 327
2 1/2 3647
1213 1257 300
1207 1243 350
1110 1210 257
1207 1263 283
1140 1190 267
1163 1207 277
2 1/2 3717

Goldsdm 124		2617	1043
down very soft 33% firm heavy	7.960.	2618	1043
Goldsdm 126		2619	1103
33% firm very soft	7.532.	2620	1093
Goldsdm 129		2621	1087
129 ft	7320	2622	1067
Goldsdm 133	7430	2623	1087
		2624	1130
RA 1019 Reg	7490	2625	1217
		2626	1200
RA 1023 Reg		2627	1173
	7.365.	2628	1170
Goldsdm 91 heavy grease 81 ft		2629	1170
4.3 48.2	7555	2630	1137
		2631	1167
goldsdm 106		2632	1190
4.3 47.9	7.465.	2633	1193
		2634	1187

1113	1200	247							
1120	1207	280							
1177	1240	307							
1173	1233	240							
1190	1237	253							
1173	1230	243							
1137	1220	233							
1173	1250	242							
1227	1260	327							
1227	1247	324							
1193	1243	383							
1210	1257	347							
			19	1/2	TT				
1310	1327	337	1240	1317	370	1287	1317	420	
1253	1307	333	1260	1287	373	1247	1273	340	
1310	1327	333	1290	1317	370	1277	1303	393	
1307	1340	370	1307	1337	437	1287	1310	470	
1313	1330	387	1300	1330	470	1297	1303	480	
1310	1330	407	1293	1330	483	1297	1337	503	

Goldslv 122		2635	1130	1210	1247	317						
	7.475	2636	1113	1187	1233	367						
Goldslv 136		2637	1117	1183	1223	347						
40% [illegible]	7.395	2638	1157	1213	1247	367						
Goldslv 146		2639	1090	1173	1213	313						
	7284	2640	1123	1190	1220	330						
Copper plated flake by Lott. Dried on hot plate, it's somewhat oxdzd — 5.9 f 24.1		2641	1060	1157	1197	343						
	7.600	2642	1040	1130	1177	357						
Zinc plated — 854 [illegible] 5.4		2643	1060	1163	1190	453						
	7350	2644	1083	1187	1207	440						
Ni f Lot 18 — 854 5.4 —		2645	1093	1190	1230	377						
	7557	2646	1107	1173	1187	373						
Dup 2646 Except RA 1253.		2647	867	930	1030	230						
	8.370	2648	950	1067	1127	253						
							19	1/2	H			
RA 1253 Expt — .096 green to lump. Dump green clean f/l		2649	1147	1263	1313	357	1253	1273	430	1250	1267	397
		2650	1147	1313	1330	387	1273	1290	440	1263	1283	397
	7085	2651	1130	1313	1333	410	1300	1323	433	1257	1280	327

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2) 2398 / 1199

2) 2396 / 1198

2) 2397 / 1198

200

2649	1197	1260	450
50	1207	1277	510
51	1233	1313	468

							.9	1/2	14			
Dup 2649 Except 1 Li ~~OEE~~, 2 1K.		2652	1100	1250	1270	350	1220	1237	387	1223	1243	303
		2653	1090	1213	1233	320	1200	1210	443	1170	1183	297
	7000	2654	1113	1257	1277	347	1227	1240	423	1213	1237	307
Ra 1253.		2655	1187	1430	1477	633	1400	1440	687	1350	1400	657
2 LB Bi 5.3 / 764 f 95.7 green		2656	1187	1413	1460	613	1333	1360	740	1307	1350	667
	7150.	2657	1197	1473	1523	700	1353	1373	803	1360	1390	790
Dup 2655 2 1K 1 Li		2658	1147	1310	1533	447	1250	1287	370	1333 X 2 Rep	1357	673
	7150	2659	1133	1310	1333	487	1290	1297	377	1350	1367	627
Ra 1022 Req		2660	1197	1367	1333	583						
	7270	2661	1187	1283	1333	520						
Ra 1024 Req		2662	1183	1273	1307	353						
	7303	2663	1173	1283	1330	500						
Ra 1025 Req		2664	1170	1273	1300	477						
	7220	2665	1187	1283	1333	490						
Ra 1026 Req		2666	1183	1303	1333	523						
	7380.	2667	1203	1350	1380	646						
Ra 1027		2668	1233	1237	1243	450						
	7310	2669	1240	1240	1247	527						

2652	1190	1223	377				
2653	1140	1147	364				
2654	1190	1227	367				
2655	1367	1430	607	1283	1390	658	
2656	1300	1367	550	1283	1260	595	
2657	1467	1520	433	1257	1310	633	

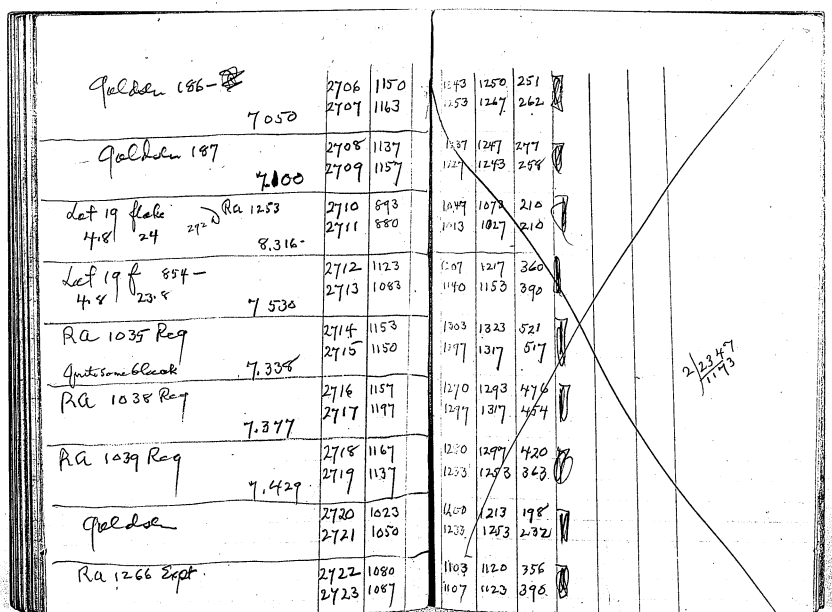
Ra 1028 Rag	2670	1243	
	2671	1260	
7310			
M fgotted with Iron	2672	823	
	2673	807	
7.270.			
Goldsbn 131	2674	1193	
7152	2675	1193	
Goldsbn 156	2676	1193	
7.325.	2677	1200	
Goldsbn 177	2678	1130	
	2679	1130	
7030			
Goldsbn 178	2680	1117	
	2681	1110	
7820			
Goldsbn 180	2682	1120	
	2683	1117	
7.005			
Mottled with Cobalt	2684	1233	
Lott - 6.1 24 7.490	2685	1207	
Ra 1029 - Rag	2686	1230	
7212	2687	1230	

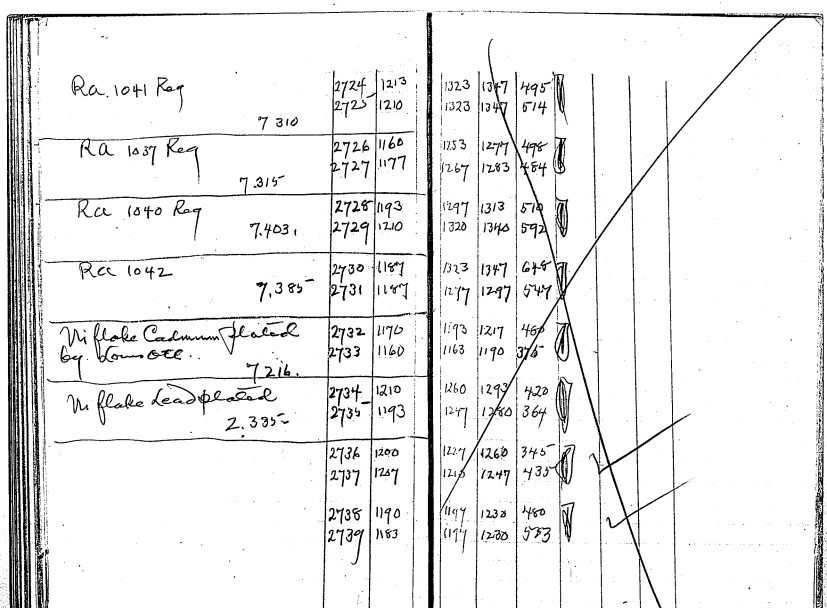
1243	1250	860		
1227	1233	657		
1	·9	½	H	
727	730	733	320	
730	733	737	387	
1230	1257	1267	347	
1230	1253	1267	293	
1167	1270	1293	300	
1247	1287	1303	280	
1207	1223	1240	300	
1207	1223	1238	290	
1220	1273	1297	220	
1227	1310	1333	277	
1207	1240	1217	307	
1207	1237	1217	277	
1240	1267	1283	431	
1240	1270	1297	413	
1240	1259	1266	405	
1261	1270	1270	386	

2/24/4
1207

Ra 1030 Reg	7.350	2688 2689	1210 1213
Ra 1031 Reg	7.205	2690 2691	1213 1220
Ra 1032 Reg	7.285	2692 2693	1203 1227
Ra 1033 Reg	7.240	2694 2695	1207 1217
Ra 1034 Reg	7.330	2696 2697	1193 1200
Ra 1266 Expt 4.3 48.4 113 Dmp	5.843	2698 2699	937 950
Ra 1036 Reg	7.215	2700 2701	1227 1210
Golden 147	7.348	2702 2703	1190 1177
Golden 157	7.932	2704 2705	1127 1153

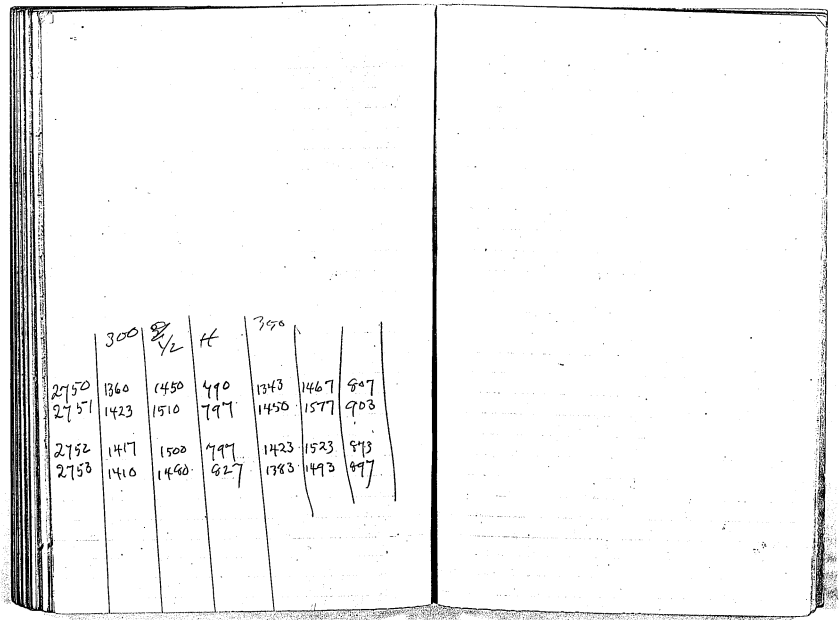
9								
1247	1260	375						
1250	1253	371						
1237	1260	362						
1230	1247	349						
1250	1263	367						
1280	1257	408						
1247	1260	431						
1213	1230	413						
1209	1223	358						
1227	1240	349						
980	983	322				920	947	303
977	980	315				923	957	290
1233	1247	416						
1267	1280	432						
1287	1300	247						
1270	1303	270						
1263	1300	274						
1273	1318	251						


Qaldosa 186 – 7050
2706 1150
2707 1163
Qaldosa 187 7.100
2708 1137
2709 1157
Lef 19 flake 4.8 24 27² Ra 1253 8.316
2710 893
2711 880
Lef 19 f 854 – 4.8 23.8 7.538
2712 1123
2713 1083
Ra 1035 Reg Quitesome bleak 7.338
2714 1153
2715 1150
Ra 1038 Reg 7.377
2716 1157
2717 1197
Ra 1039 Reg 7.429
2718 1167
2719 1137
Qaldosa
2720 1023
2721 1050
Ra 1266 Expt.
2722 1080
2723 1087
1243 1250 251
1253 1247 262
1237 1241 277
1227 1243 258
1049 1078 210
1013 1027 210
1207 1217 360
1140 1153 390
1303 1323 521
1297 1317 517
1270 1293 478
1297 1317 454
1280 1297 420
1253 1283 343
1260 1213 198
1238 1253 232
1103 1120 356
1107 1123 396
2 2.3 4.7 1.7 3

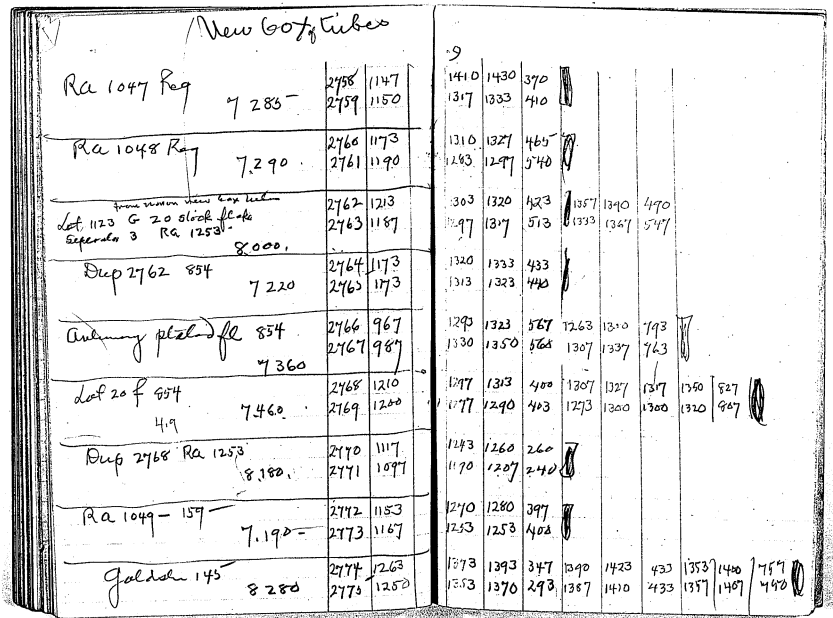

Ra. 1041 Reg
7 310
Ra 1037 Reg
7.315
Rc 1040 Reg
7.403.
Rcc 1042
7.385
Mi flake Cadmium plated by Lomotec.
7.216.
Mi flake Lead plated
2.335
2724 1213
2725 1210
2726 1160
2727 1177
2728 1193
2729 1210
2730 1187
2731 1187
2732 1170
2733 1160
2734 1210
2735 1193
2736 1200
2737 1207
2738 1190
2739 1183
1323 1347 495
1323 1347 514
1253 1277 496
1267 1283 454
1297 1313 510
1320 1340 592
1323 1347 648
1277 1297 544
1193 1217 469
1163 1190 378
1260 1293 420
1247 1280 364
1227 1260 345
1210 1247 435
1197 1233 480
1177 1200 583

Ra 1044 Reg	7350	2740 2741	1163 1170
Ra 1046-Reg	7320	2742 2743	1173 1173
Goldsh 183	80100	2744 2745	1633 1120
Goldsh 185	7 680	2746 2747	1170 1177
Goldsh 213	7300	2748 2749	1120 1127
B1 Goldsh 216 157-43 23.8 2588 7.180 68% 61 granodiorite gneiss from 37% fines 5469 mm		2750 2751	1140 1153
B1 Goldsh 144 Sm/Hol 2500 157-43 24 6.930 very soft to crushed but fragments strong 2% fines 2% loss		2752 2753	1203 1193
Goldsh 138	7090	2754 2755	1190 1183
Ra 1045	7300	2756 2757	1173 1143

50	1/2	H	100	1/2	H						
1177	1210	506									
1193	1230	562									
1227	1267	480									
1203	1243	439									
1140	1253	262									
1133	1323	266									
1217	1273	274									
1233	1307	307									
1160	1258	397									
1173	1263	348									
1313	1403	742	1410	1430	840	1283	1413	740			
1310	1427	652	1413	1440	857	1310	1450	737			
1330	1392	720	1480	1493	793	1373	1487	830			
1377	1397	808	1443	1463	590	1363	1480	850			
1267	1277	366									
1270	1283	341									
1303	1313	461									
1278	1280	366									



	300	8 1/2	H	350		
2750	1360	1450	490	1343	1467	807
2751	1423	1510	797	1450	1577	903
2752	1417	1500	797	1423	1523	913
2753	1410	1490	827	1383	1493	997



New 60% Tubes

Ra 1047 Reg 7.285 — 2758 1147 / 2759 1150

Ra 1048 Reg 7.290 — 2760 1173 / 2761 1190

Lot 1123 G 20 block flake from room new cap tube
Separator 3 Ra 1253 8.000. — 2762 1213 / 2763 1187

Dup 2762 854 7.220 — 2764 1173 / 2765 1173

Culmy plzl ff 854 7.360 — 2766 967 / 2767 987

Lot 20 f 854 7.460 4.9 — 2768 1210 / 2769 1200

Dup 2768 Ra 1253 8.180. — 2770 1117 / 2771 1097

Ra 1049 — 159 — 7.190 — 2772 1153 / 2773 1167

Goldsh 145 8.280 — 2774 1263 / 2775 1250

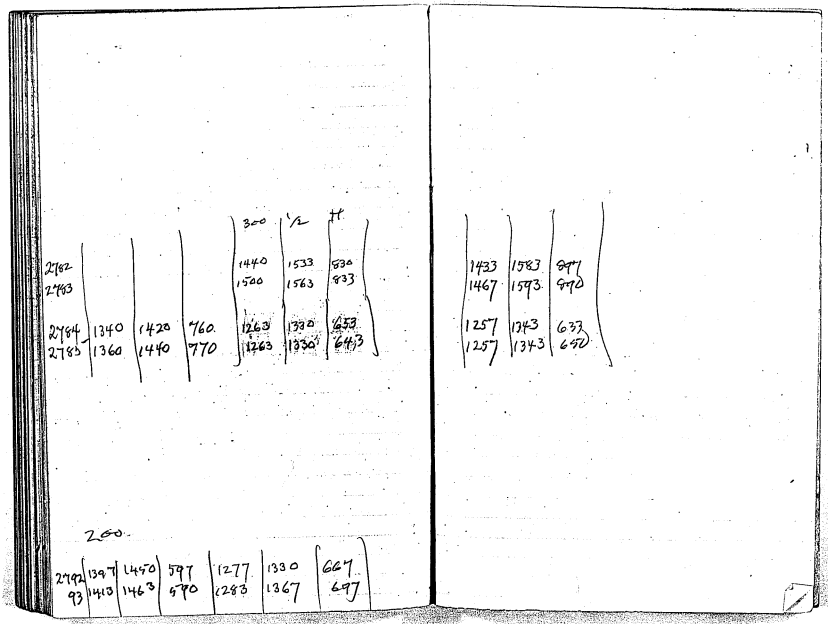
9

1410	1430	370							
1317	1333	410							
1310	1327	465							
1293	1297	540							
1303	1320	423	1357	1340	490				
1297	1317	513	1333	1347	547				
1320	1333	433							
1313	1323	440							
1290	1323	567	1263	1310	793				
1330	1350	566	1307	1337	763				
1297	1313	400	1307	1327	1317	1350	827		
1277	1290	403	1273	1300	1300	1320	967		
1243	1260	260							
1170	1207	240							
1270	1280	397							
1253	1258	403							
1373	1393	347	1390	1423	433	1353	1400	757	
1353	1370	293	1367	1410	433	1357	1407	498	

Galden 152 1.7% Bi	2776	1197
Bismuth 7.165	2777	1200
Galden 182	2778	1287
7.940	2779	1263
Galden 195	2780	1233
7.610	2781	1253
Galden 200 7.120 5.10% Bismuth	2782	1113
5.749 gram	2783	1133
Galden 215 5.10% Bismuth	2784	1213
6.868 gram 7.510	2785	1210
Ra 1050 Ray	2786	1167
7.358	2787	1177
Ra 1051 Ray	2788	1173
7.245	2789	1163
Ra 1052 Ray	2790	1157
7.188	2791	1130
Galden 181	2792	1240
	2793	1240

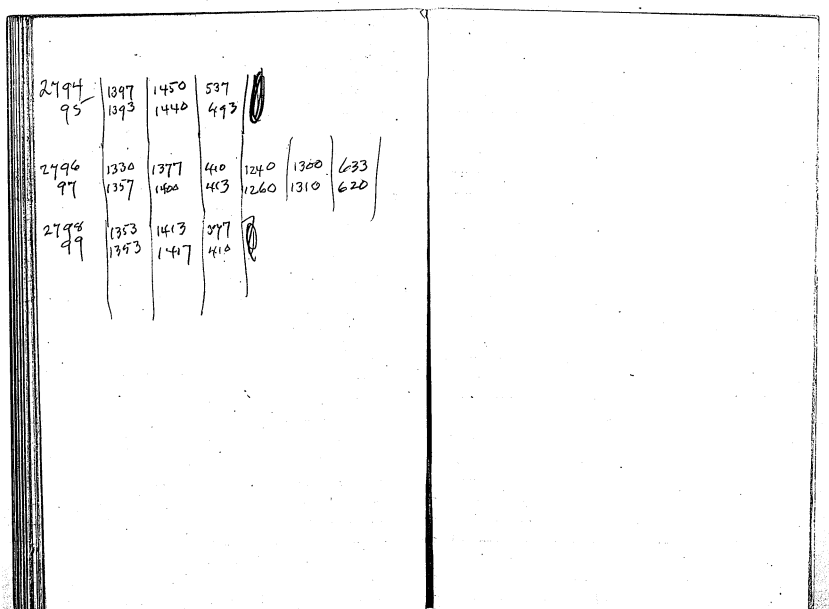
50.

							200			
1413	1427	507	1457	1473	673					
1380	1393	543	1443	1463	673					
1410	1433	413	1460	1460	447	1387	1420	533		
1413	1433	437	1460	1490	447	1377	1427	522		
1378	1393	340	1420	1440	453	1367	1397	507		
1367	1377	360	1427	1443	540	1360	1417	477		
1397	1447	730	1393	1440	840	1400	1467	750		
1450	1483	667	1387	1437	790	1400	1460	863		
1423			1390			1400				
1450	1480	763	1413	1453	890	1433	1490	903		
1450	1477	767	1427	1473	867	1440	1490	903		
1458			1420			1437				
1320	1333	487								
1317	1327	423								
1310	1320	420								
1343	1360	410								
1287	1310	487								
1267	1286	503								
1353	1367	340	1390	1423	530	1390	1427	503		
1358	1373	397	1397	1430	503	1400	1433	503		



Goldstein 212	2794	1267	
7980	2795	1257	
goldstein 219	2796	1243	
7665	2797	1243	
goldstein 222	2798	1180	
7955	2799	1183	
goldstein 224	2800	1200	
8_100	2801	1260	
Ra 1053 Reg	2802	1133	
7297	2803	1150	
Ra 1054 Reg	2804	1157	
7450	2805	1170	
Ra 1056 Reg	2806	1177	
7360	2807	1177	
Ra 1057 Reg	2808	1170	
7475	2809	1147	

1397	1423	380	1410	1437	487	1400	1433	497
1400	1427	337	1410	1437	453	1400	1433	497
1320	1340	373	1353	1380	409	1323	1353	483
1347	1363	317	1347	1397	407	1360	1390	530
1337	1353	203	1410	1450	403	1383	1410	520
1347	1363	277	1413	1447	403	1370	1410	520
1337	1350	327	1363	1387	397	1343	1370	497
1400	1407	417	1367	1460	397	1440	1473	550
1273	1287	613						
1223	1253	557						
1277	1307	617						
1293	1317	607						
1293	1317	533						
1277	1293	468						
1307	1323	473						
1293	1317	463						



Ra 1058 Reg	7.500	2810	1167
		2811	1143
Ra 1059 Reg	7420	2812	1163
		2813	1143
Ra 1055 Reg	7.300	2814	1123
		2815	1117
Ra 1060 Reg	7.260.	2816	1143
		2817	1113
Ra 1061 Reg	7.120.	2818	1157
		2819	1133
Ra 1063 —	7220	2820	1167
		2821	1197
Lot 159 ft Rumbarra rolls twice several Emah tarra 1164 from 48 ft 4 — 1500	7420	2822	797
		2823	807
		2824	1127
Dup 2822 Length 854 — ft 4 1500	6.620 —	2825	917
		2826	823

1307	1333	533	
1290	1320	660	
1293	1317	673	
1290	1307	670	
1290	1310	723	
1297	1313	664	
1271	1297	577	
1260	1280	540	
1250	1267	510	
1280	1297	557	
1297	1317	663	
1297	1317	653	
1080	1093	493	
1030	1067	463	
1310	1337	460	
1133	1157	537	
600	610	1000	

Goldstein Bi groups

~~129~~
~~130~~
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132
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to
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Send to Goldstein for full list Bi now

Notebook, N-11-11-04

RQ 1164 – 48 green 4 f Then	2827	1277
again dump 48 green 4 ff Then	2828	1273
Tcmp 159 f-making 96 green to 1 Temp – 1440 7.270 1440	2829	1267 / 1272
RQ 1164 – 159 – 24 green then 4 f	2830	1267
Then again 24 green 4 flat then Temp	2831	1260
48 to Temp – 7.800 – 7560	2832	1287 / 1291
159 f pulverized by Tamping Separated	2833	1243
by Jel 2 Dump green 48 & 4 ft	2834	1273
Then Temp – 1164 green	2835	1267 / 1261
3.9 – 47 – 1560 7520		
Dup 2833	2836	1273
Except Cubes fabricated cannot be by	2837	1277
fired ECC with Sand paper	2838	1267 / 1272
21 f RQ 1253 Expt (1164)	2839	1177
8.240	2840	1153
21 flake 834	2841	1209
27.0 7520	2842	1210
4.4 23.9		
RQ 1062 RQ	2843	1100
7.300	2844	1083

50 g	½ #	100 ½ #	150 ½ #
1427	1443 497	1460 1463 491	1463 1493 527
1430	1447 553	1457 1463 493	1367 1487 527
1413 1423	1430 553	1470 1497 493	1417 1467 530
		1468	1416
1403	1423 483	1467 1493 480	1453 1487 530
1400	1410 393	1467 1500 467	1420 1447 473
1413 1405	1433 373	1467 1507 430	1463 1490 680
		1474	1445
1417	1433 370	1423 1443 410	1260 1360 523
1410	1427 320	1440 1473 407	1327 1447 470
1400 1409	1410 397	1440 1470 403	1287 1400 470
		1434	1291
1403	1410 460	1440 1470 403	1290 1427 513
1400	1407 447	1443 1477 403	1310 1417 520
1383 1391	1400 347	1430 1467 403	1327 1400 517
		1439	1309
1273	1287 423		
1227	1237 343		
1313	1333 513		
1347	1367 587		
1257	1267 580		
1250	1267 567		

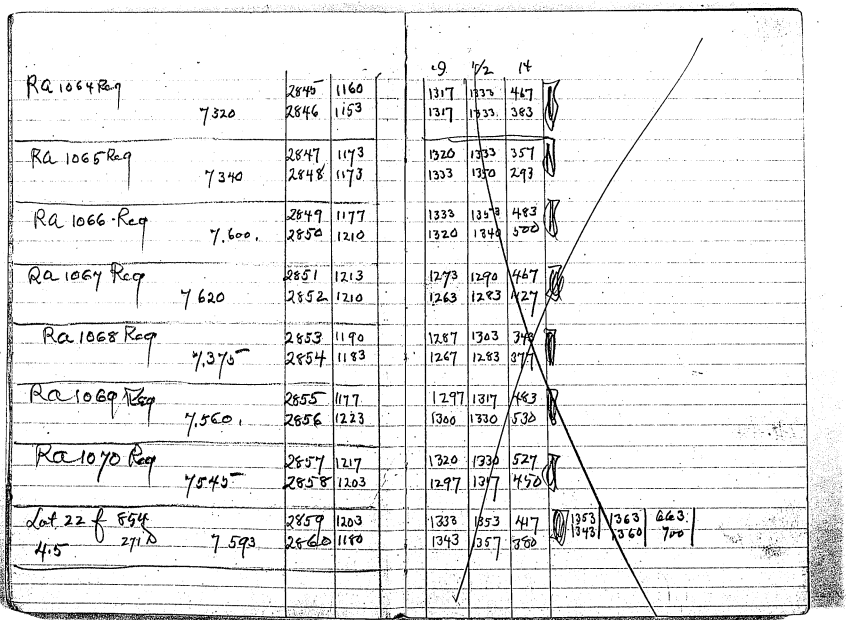
200	½	ft	250	½	1+	300			350			400				
2827	1413	1517	503	1293	1470	697	1057	1350	637							
2828	1363	1487	500	1200	1430	660	977	1267	593							
2829	1383	1453	473	1133	1483	647	1006	1233	583							
2830	1413	1483	490	1400	1490	680	1340	1450	640	1533	1579	1477	1177	1530	797	Ellen Booth 10/15
2831	1403	1460	507	1367	1467	610	1323	1440	693	1380	1543	1473	1200	1487	760	
2832	1433	1483	507	1347	1480	647	1273	1450	757	1223	1587	1470	1147	1463	693	
2833	1180	1257	433													
2834	1227	1360	390													
2835	1227	1350	380													
2836	1180	1297	443													
2837	1273	1360	447													
2839	1255	1347	437													

$7\overline{)1411}^{14}_{137}$

$7\overline{)1396}^{12}_{132}$

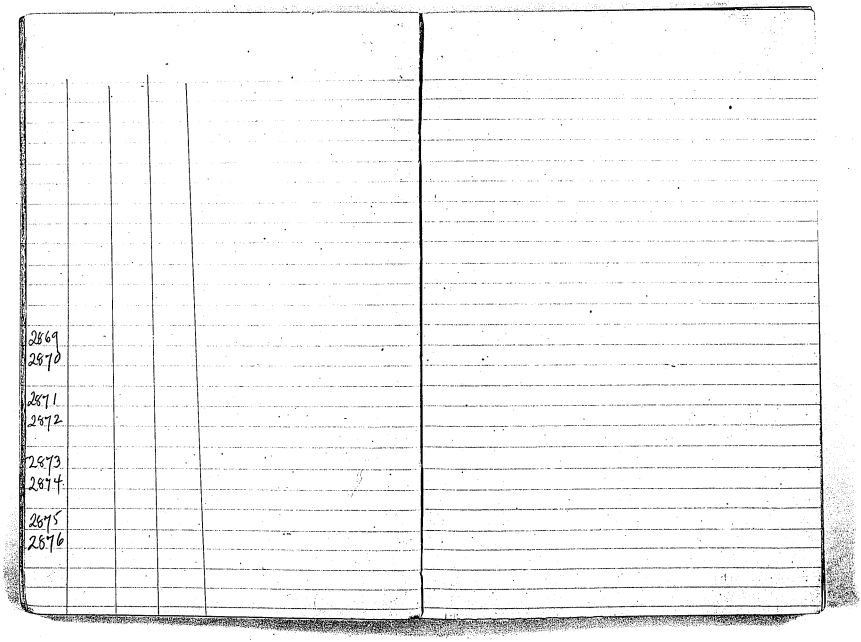
$7\overline{)1396}^{12}_{132}$

$7\overline{)1324}^{}_{179}$



					09	12	14				
Ra 1064 Reg		2845	1160		1317	1333	467				
	7320	2846	1153		1317	1333	383				
Ra 1065 Reg		2847	1173		1320	1333	357				
	7340	2848	1173		1333	1350	293				
Ra 1066 Reg		2849	1177		1333	1353	483				
	7.600.	2850	1210		1320	1343	500				
Ra 1067 Reg		2851	1213		1273	1290	467				
	7620	2852	1210		1263	1283	427				
Ra 1068 Reg		2853	1190		1287	1303	343				
	7.370	2854	1183		1247	1283	377				
Ra 1069 Reg		2855	1177		1297	1317	483				
	7.560.	2856	1223		1300	1330	530				
Ra 1070 Reg		2857	1217		1320	1330	527				
	7545	2858	1203		1297	1317	450				
Lot 22 f 554		2859	1203		1333	1353	417	1353	1363	663	
4.5 271 D	7.593	2860	1180		1343	1357	360	1343	1360	700	

Lot 22fC 1164		2861	1197	1287	1293	260								
303 D	8.350	2862	1117	1183	1207	273								
Ra 1071 Reg		2863	1220	1283	1290	417								
	7 590	2864	1230	1297	1320	457								
Ra 1072 Reg		2865	1220	1283	1297	433								
	7 480	2866	1207	1267	1280	430								
Ra 1073 Reg		2867	1223	1340	1353	440								
	7 560	2868	1247	1330	1340	460								
Goldklein 170	298 D	2869	1253	1390	1410	383	1440	1460	707	1463	1503	533		
159 f.	8.185	2870	1247	1360	1373	813	1403	1423	630	1427	1460	533		
Goldklein 171		2871	1227	1353	1367	300	1377	1407	637	1400	1437	587		
318 D	8.200	2872	1253	1377	1387	307	1393	1413	577	1420	1453	553		
Jacklein 218		2873	1243	1360	1377	310	1377	1407	517	1407	1453	540		
303 D	8 230	2874	1220	1333	1353	270	1373	1380	443	1343	1383	480		
Goldklein 223		2875	1253	1430	1417	293	1430	1450	500	1455	1487	443		
	7 743	2876	1223	1323	1340	277	1340	1370	497	1343	1387	487		


2869
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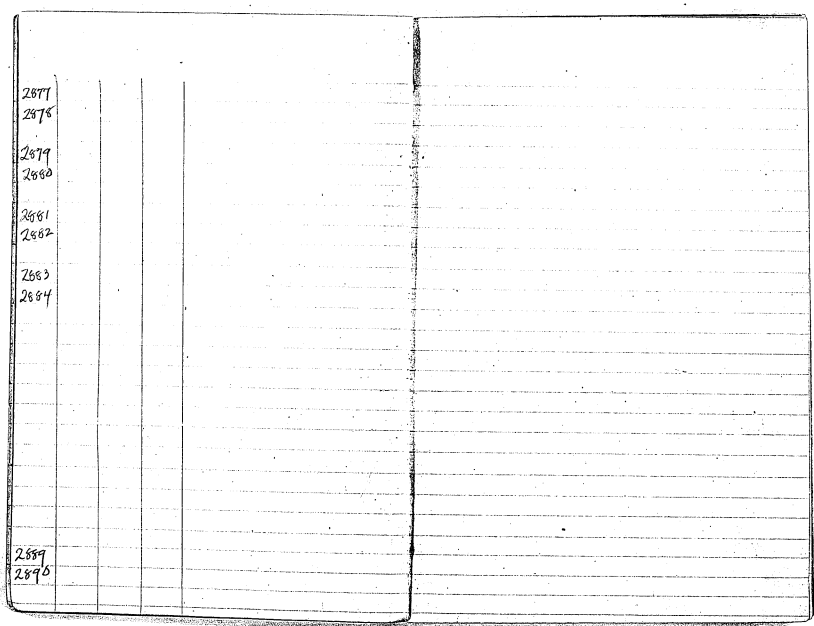
2876

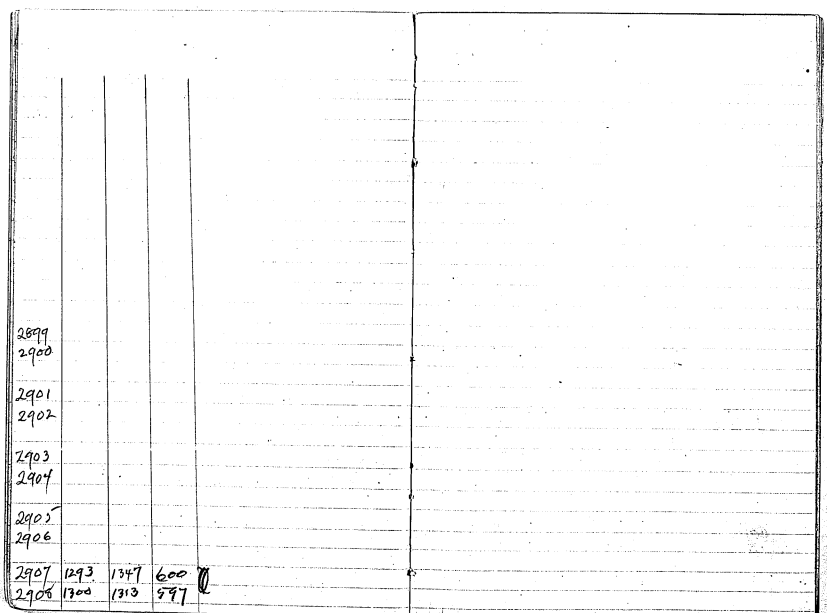
Gal Rd Cam 220 328 D		2877	1217	1303	1317	320	1333	1360	527	1333	1383	457
gully grounds heavy log	8 520	2878	1240	1347 1325	1367	363 341	1380 1358	1410	540	1380 1358	1433	530
Gal Rd Cam 225 296 D		2849	1253	1403	1417	347	1440	1463	570	1450	1490	567
Little E Creek Remarks.	8.080	2880	1237	1363 1393	1373	330 338	1383 1411	1407	537	1410 1430	1440	507
Gal Rd Cam 226 330 D -		2881	1203	1330	1350	327	1380	1413	530	1393	1450	537
Hand blank quite some blank	8.689 -	2882	1217	1353 1341	1370	280 300	1390 1385	1417	563	1420 1406	1457	510
Gal Rd Cam 227 328 D		2883	1233	1363	1377	297	1400	1427	547	1433	1470	513
quite some blank -	8.450.	2884	1223	1350 1356	1367	283 290	1383 1391	1410	580	1427 1430	1460	520
Female of 159 flake Herzaffen f 1123 - 4 blanks 1 flat -												
Gal Rd Cam 229 1123 Michaelflake flat - G 20 strok		2885	1217	1280	1293	287						
4.2 - 24 - 312 D	7.900.	2886	1227	1313	1330	297						
Gal Rd Cam 230		2887	1168	1273	1290	267						
1123 f 330 D -	8.460.	2888	1177	1283	1297	270						
some blank												
Gal Rd Cam		2889	1258	1350	1363	300	1377	1387	633	1383	1443	517
1123 f 272 D	7.500	2890	1230	1333 1342	1350	273	1377 1377	1387	750	1390 1386	1427	517

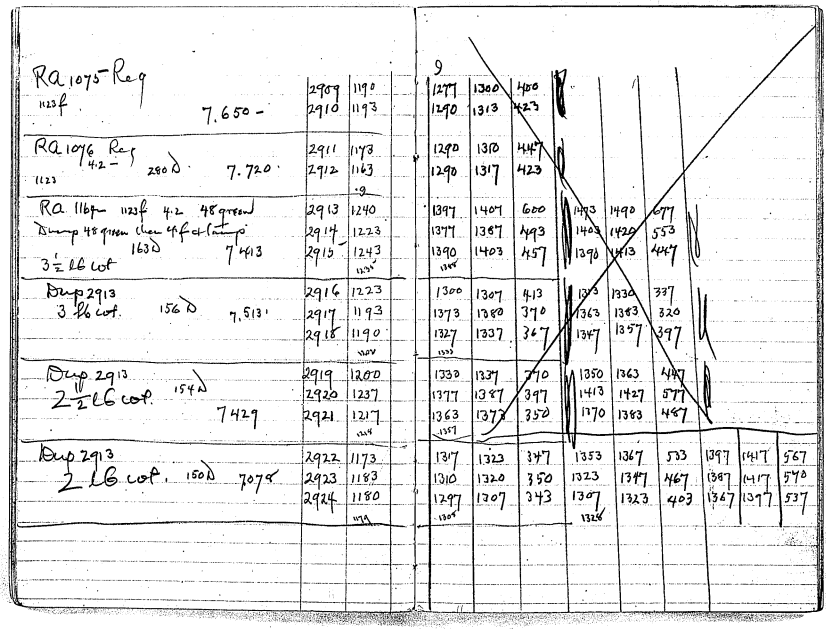

2877
2878
2879
2880
2881
2882
2883
2884
2889
2895

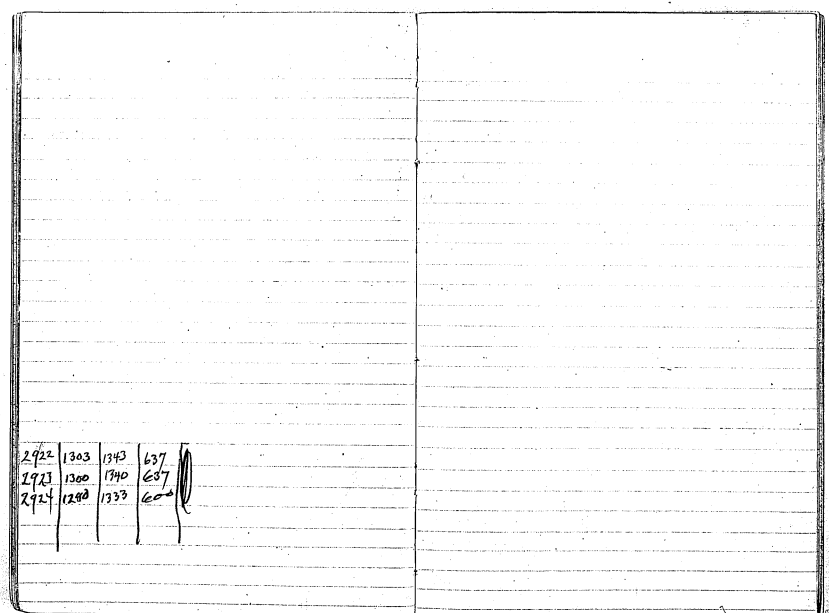
50 1/2 ft

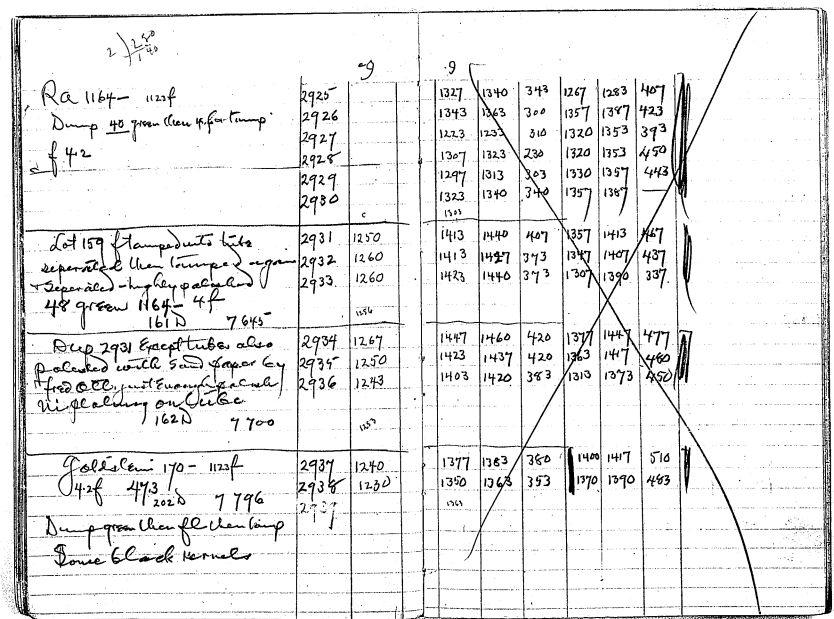
Goldsboro 236		2891	1093		1267	1280	390				
ft. 300 D											
opt some black	8,140.	2892	1097		1250	1267	403				
Goldsboro 237		2893	1100		1267	1277	447				
291 D											
some black	8.040	2894	1093		1267	1277	413				
Goldsboro 242		2895	1113		1213	1237	340				
296 D	8240	2896	1113		1230	1243	323				
Goldsboro 250		2897	1120		1200	1227	367				
301 D	8.200.	2898	1117		1297	1313	450				
some black											
Goldsboro 251		2899	1193		1290	1317	437	1347	1370	520	
306 D	8585	2900	1173		1286	1317	553	1360	1383	527	
some black					1288			1353			
Goldsboro 252		2901	1093		1183	1196	413	1257	1300	533	
313	8682.	2902	1153		1240	1260	417	1290	1310	560	
1123 ft					1241			1273			
Goldsboro 253		2903	1197		1293	1310	343	1287	1313	380	
some black kernels	8.220.	2904	1213		1293	1317	330	1307	1323	350	
297 D					1293			1247			
Goldsboro 165		2905	1177		1263	1277	340	1310	1327	337	
1122 ft 318 D		2906	1167		1253	1267	330	1290	1317	340	
some black pieces	8.717				1278			1300			
Goldsboro 232 358		2907	1170		1253	1277	337	1287	1310	370	
some black	8.542	2908	1143		1233	1247	333	1263	1283	357	
								1279			

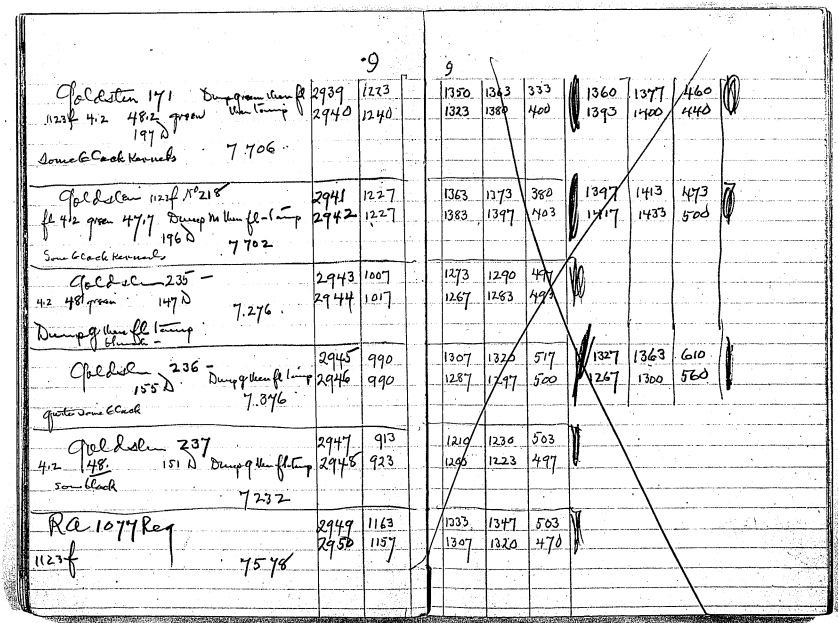
002


2899
2900
2901
2902
2903
2904
2905
2906
2907 1293 1347 600
2908 1300 1313 597


RA 1075 Reg
1123f
7.650 -
RA 1076 Reg
4.2 -
290D
7.720
1123
RA 116p 1123f 4.2 48 green
Dump 48 green clear 4 fat lamp
163D
7.413
3 1/2 LB cot
Dup 2913
3 lb cot.
156D
7.513
Dup 2913
2 1/2 LB cot.
154D
7429
Dup 2913
2 LB cot.
150D
7078
9


2922 1303 1343 637
2923 1300 1340 637
2924 1298 1333 60





·9

9

Goldstein 171 Dumpy green Mem ff 2939 1223 1350 1343 333 1360 1377 460
1123f 4:2 48:2 green Mem Temp 2940 1240 1323 1380 400 1393 1400 440
197 D
Some E Cook Kennels 7.706

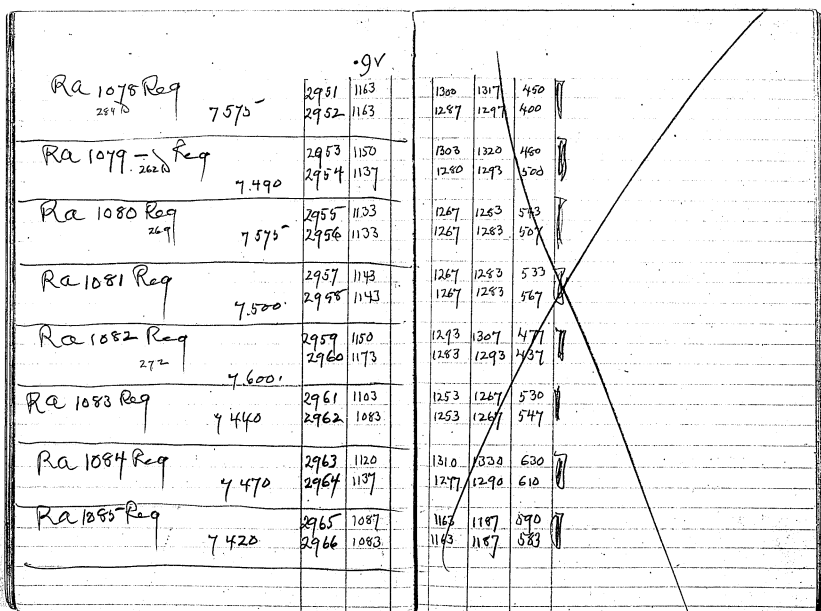
Goldstein 1123f N°218
ff 4:2 green 47:7 Dumpy Mem ff-Temp 2941 1227 1363 1373 380 1397 1413 473
196 D 2942 1227 1383 1397 403 1417 1433 500
Some E Cook Kennels 7.702

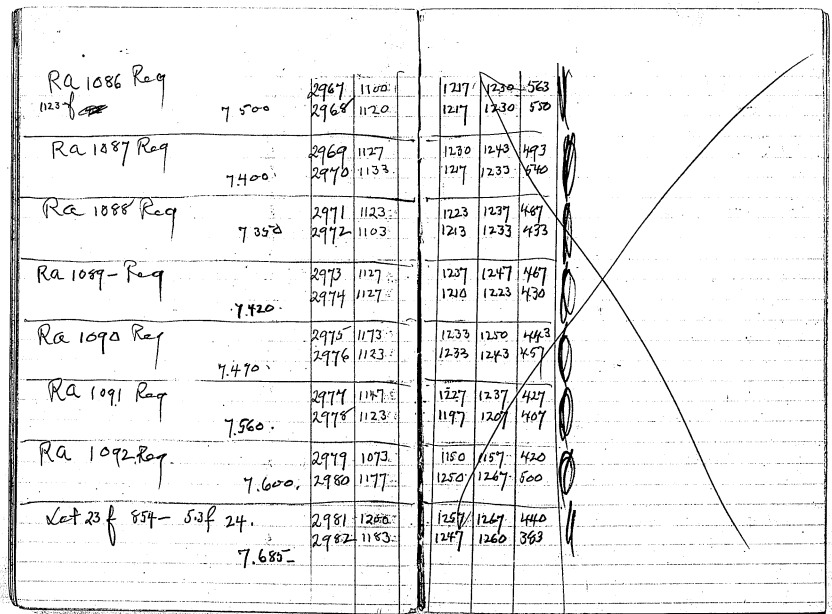
Goldstein 235 -
4:2 48 green 147 D 2943 1007 1273 1290 497
2944 1017 1267 1283 493
7.276
Dumpy Mem ff Temp
Shuttle -

Goldstein 236 - 2945 990 1307 1320 517 1327 1363 610
155 D Dumpy Mem ff Temp 2946 990 1287 1297 500 1267 1300 560
7.896
quarter Some E Cook

Goldstein 237 2947 913 1219 1230 503
4:2 48 151 D Dumpy Mem ff Temp 2948 923 1209 1223 497
Some Cook
7.232

Ra 1077 Reg 2949 1163 1333 1347 503
1123f 2950 1157 1307 1320 470
7.578

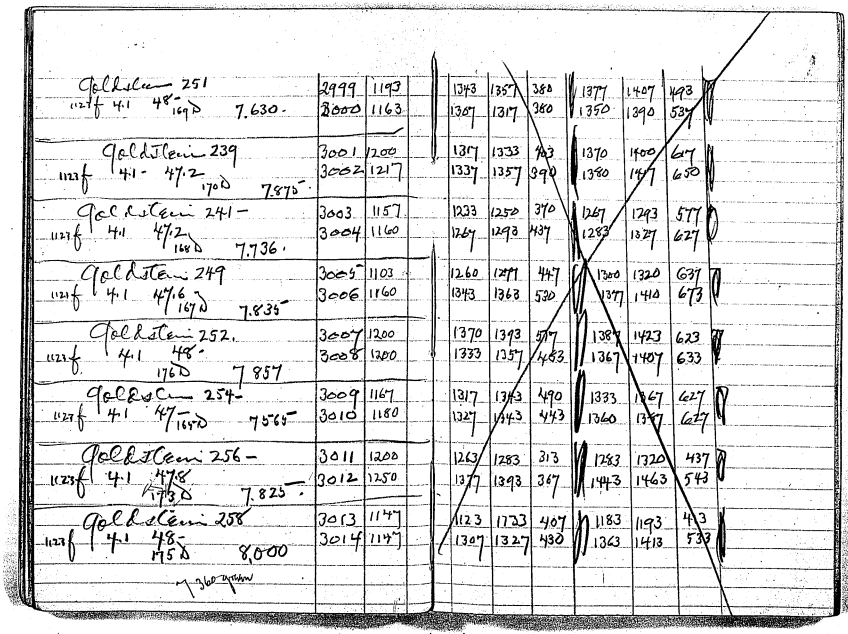

Ra 1078 Reg
7.575
Ra 1079 Reg
7.490
Ra 1080 Reg
7.575
Ra 1081 Reg
7.500
Ra 1082 Reg
7.600
Ra 1083 Reg
7.440
Ra 1084 Reg
7.470
Ra 1085 Reg
7.420


Ra 1086 Reg
1123 f
7.500
2967 1100
2968 1120
1217 1230 563
1217 1230 550
Ra 1087 Reg
7.400
2969 1127
2970 1133
1230 1240 493
1217 1233 540
Ra 1088 Reg
7.358
2971 1123
2972 1103
1223 1237 467
1213 1233 433
Ra 1089 - Reg
7.420
2973 1127
2974 1127
1237 1247 467
1210 1223 430
Ra 1090 Reg
7.470
2975 1173
2976 1123
1233 1250 443
1233 1243 457
Ra 1091 Reg
7.560.
2977 1147
2978 1123
1227 1237 427
1197 1207 407
Ra 1092 Reg.
7.600.
2979 1073
2980 1177
1150 1157 420
1250 1267 500
Ref 23 f 854 - 53 f 24.
7.685
2981 1266
2982 1183
1257 1247 440
1247 1260 383

New Lot tubes after the grump

.9

Lot 23 f Ra 1164			2983	1230	1227	1290	320	1340	1370	393	
Dump green Chem fl Imp			2984	1233	1297	1317	387	1350	1367	398	
5.3 f 48.1 —		7.660 -									
Gal Rester 220			2985	1243	1297	1310	250	1337	1357	423	
4.1 48.1			2986	1248	1330	1340	213	1403	1430	583	
1123 flake 173 D		7.900									
Gal Ox Chem 225 —			2987	1200	1253	1263	213	1317	1323	523	
1123 f 4.1 f 48 —			2988	1203	1247	1253	247	1310	1340	640	
flake 150 D		7.183 —									
Gal Ox Chem 226			2989	1223	1327	1337	270	1347	1387	617	
1123 flake 4.1 47.6		7.770	2990	1217	1323	1337	307	1357	1380	547	
Gal Ox Chem 227			2991	1247	1360	1373	327	1376	1397	450	
1123 f - 4.1 47.2			2992	1210	1330	1353	323	1347	1357	353	
169 D		7.590.									
Gal Ox Chem 230 —			2993	1193	1330	1353	270	1347	1370	323	
1123 f 4.1 47.		7.500.	2994	1180	1323	1340	230	1317	1347	270	
166 D											
Gal Ox Chem 242			2995	1157	1317	1333	387	1353	1380	433	
1123 f - 4.1 48.7			2996	1150	1297	1307	360	1333	1370	462	
168 D		7.565									
Gal Ox Chem 250 —			2997	1193	1317	1327	350	1353	1377	467	
1123 f 4.1 47.7 -			2998	1187	1310	1327	273	800	1483	397	
161 D		7.480									



Goldstein 251
1127 f 4.1 48- 1690 7.630-
2999 1193
3000 1163
1343 1357 380
1307 1317 380
1377 1407 493
1350 1390 537

Goldstein 239
1123 f 4.1 47.2 1700 7.870-
3001 1200
3002 1217
1337 1333 363
1337 1357 390
1370 1400 647
1380 1417 650

Goldstein 241-
1127 f 4.1 47.2 1680 7.736.
3003 1157
3004 1160
1233 1250 370
1267 1293 437
1267 1293 577
1283 1327 627

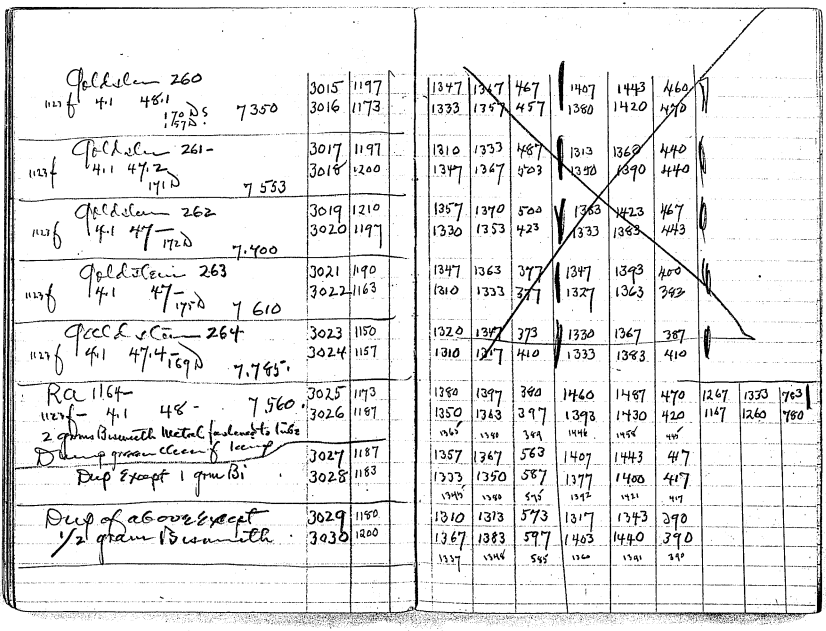
Goldstein 249
1121 f 4.1 47.6 1690 7.834-
3005 1103
3006 1160
1260 1271 447
1343 1368 530
1300 1320 637
1377 1410 673

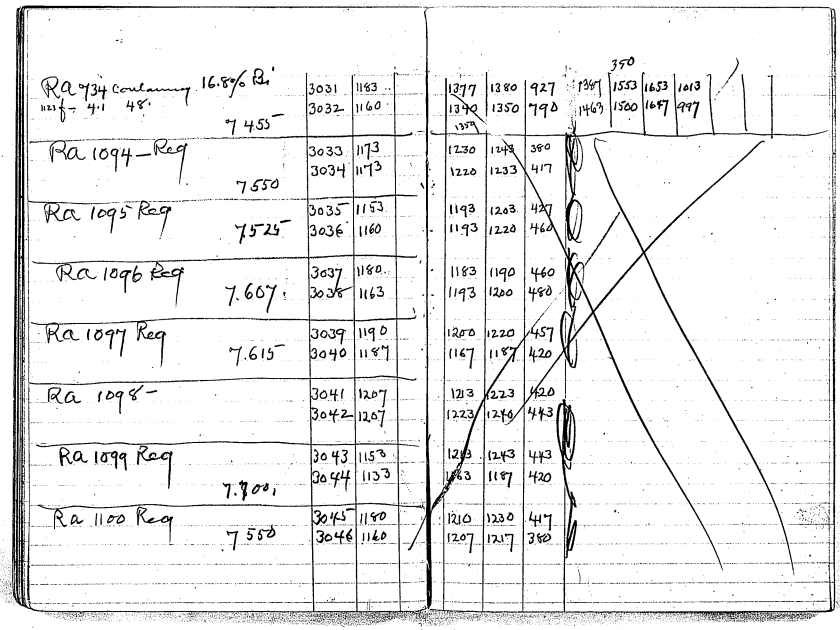
Goldstein 252.
1123 f 4.1 48- 1760 7.857
3007 1200
3008 1200
1370 1393 507
1333 1357 483
1387 1423 623
1367 1407 633

Goldstein 254-
1127 f 4.1 47 1680 7.565-
3009 1167
3010 1180
1317 1343 490
1327 1343 443
1333 1367 627
1360 1377 627

Goldstein 256-
1123 f 4.1 47.8 1790 7.825-
3011 1200
3012 1250
1263 1283 313
1377 1393 367
1283 1320 437
1443 1463 543

Goldstein 258
1123 f 4.1 48- 1758 8,000
3013 1147
3014 1147
1123 1723 407
1307 1327 430
1183 1193 433
1363 1413 533




Ra 934 Coulommy 16.8% R.
123 f = 4.1 48.
7.455
3031 1183
3032 1160
1377 1380 927
1340 1350 790
1367 1553 1653 1013
1469 1500 1697 997
350
Ra 1094 – Req
7.550
3033 1173
3034 1173
1230 1243 380
1220 1233 417
Ra 1095 Req
7.525
3035 1153
3036 1160
1193 1203 427
1193 1220 460
Ra 1096 Req
7.607
3037 1180
3038 1163
1183 1190 460
1193 1200 480
Ra 1097 Req
7.615
3039 1190
3040 1187
1200 1220 457
1167 1187 420
Ra 1098 –
3041 1207
3042 1207
1213 1223 420
1223 1243 443
Ra 1099 Req
7.700
3043 1153
3044 1133
1243 1243 443
1183 1187 420
Ra 1100 Req
7.550
3045 1180
3046 1160
1210 1230 447
1207 1217 380

RA 1101 Reg

7530

	3047	1147	1246	1260	457							
	3048	1163	1187	1223	417							
Goldsbr 214 5.920 actual gross 85% Burnable 257D 41 24.1 7570 Soft Green Grey	3049	1233	1360	1370	720	1387	1427	783				
	3050	1243	1397	1417	763	1463	1503	887				
			1379	1393	741	1425	1461	833				
Goldsbr 273 41 237 7325	3051	1093	1133	1147	340							
	3052	1117	1147	1160	337							
Goldsbr 274 41 (Fruit) 24 7863	3053	1113	1197	1227	343							
	3054	1160	1123	1137	317							
Goldsbr 275 266 D 7.160	3055	1130	1167	1180	317							
	3056	1123	1161	1177	320							
Goldsbr 276 278D 7.825	3057	1160	1197	1227	313							
	3058	1133	1177	1193	297							
Goldsbr 277 7.957	3059	1033	1063	1073	197							
	3060	1030	1057	1067	197							
RA 1164 1123 4.1 24 Dump green Rem flats 4 Lime then Lamp 7540 280 Dump	3061	1160	1263	1283	487	1290	1317	440	1320	1350	583	
	3062	1147	1243	1287	460	1297	1333	517	1320	1357	548	
	3063	1157	1273	1300	470	1303	1340	520	1320	1360	500	
			1266			1297						

2/28 5.9 2/28 5.8

2/28 5.6

350 ½ H

3061	1277	1330	523	1313	1400	630
3062	1297	1343	523	1327	1420	643
3063	1280	1353	526	1260	1413	623

See if all below lead 5 lbs coat

				50			100						
Ra 1164 - 4.1 35.6 — Dump green Mary ff 4 times then Temp 200 D 7 133	3064	1187		1363	1323	413	1357	1377	520	1380	1467	447	
	3065	1163		1330	1350	447	1387	1410	573	1367	1430	503	
	3066	1153		1260	1267	447	1257	1310	513	1247	1327	517	
				1298			1344						
Ra 1164 1237 ff 4:1 48 green Dump/green then flash 3 times then Temp 154 D 7.398 5 lb cot.	3067	1233		1367	1380	497	1430	1450	573				
	3068	1213		1340	1360	527	1400	1420	523				
	3069	1130		1287	1300	527	1343	1363	537				
				1331			1391						
Ra 1164 — 4:1 48 green Dump green then ff 3 times then Temp 150 D - 7.100.	3070	1193	Wheat wet by green	1333	1353	523	1393	1420	457	1397	1430	563	
	3071	1190		1323	1337	523	1357	1373	457	1347	1377	563	
	3072	1190		1313	1330	487	1353	1377	470	1333	1373	580	
				1313			1365						
Dump of above Dump g then ff 4 times then Temp 145 D - 6.960	3073	1141		1320	1333	480	1367	1387	470	1377	1343	610	
	3074	1180		1333	1353	503	1380	1400	430	1390	1440	623	
	3075	1143		1287	1300	500	1293	1310	403	1287	1340	610	
				1313			1337						
Dump 3070 - Dump g then ff 6 times 48 green then Temp — 140 D 6 573	3076	1043		1260	1267	510	1253	1283	487	1260	1287	653	
	3077	1093		1243	1253	440	1277	1293	507	1317	1330	663	
	3078	1110		1247	1257	410	1297	1323	533	1323	1347	613	
				1250			1276						
Ra 1164 - 4:1 48 G Dump green then ff Twice then Temp — 154 D 7 359	3079	1223		1317	1327	367	1350	1363	443	1383	1443	578	
	3080	1173		1273	1287	383	1310	1333	443	1353	1380	597	
	3081	1187		1277	1290	410	1303	1323	517	1343	1370	580	
				1289			1324						

3064	1303	1360	590	1267	1317	673
3065	1310	1367	617	1293	1353	913
3066	1227	1253	583	1257	1267	663

RA 1164 70 gm Lot B of
4.3 60 green
Dump green than 4 B.f flakes or
lamp 120 D 7460

Dump of about
except Dump 90 green 4 B.f
& lamp - 4.3 - 96. green
79 D — 7150

Goldilocks 278
4.1 - 48. green 185
Dump G than f - than lamp 7560

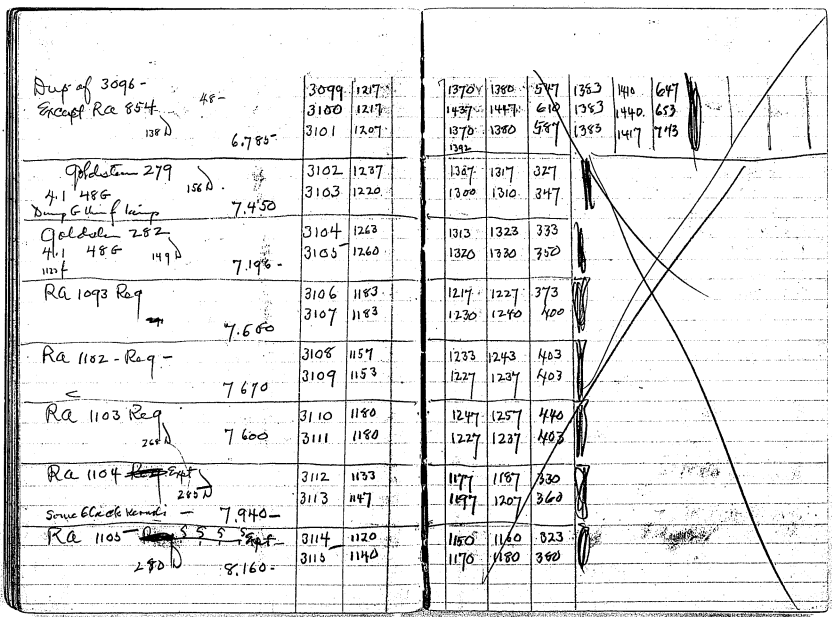
Lot 24 N f 158 D
1164 — 5.1 48 green
Dump G than f - lamp 7537

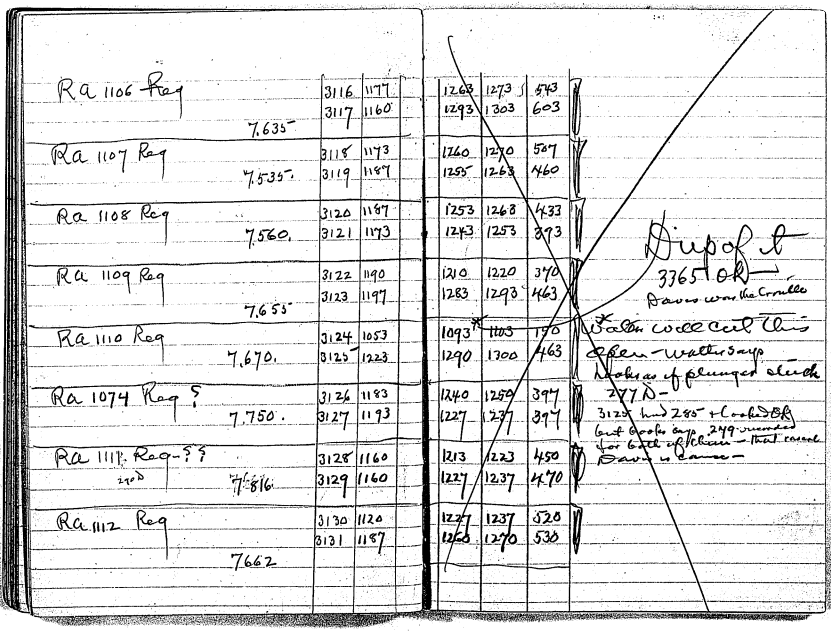
Lot 24 N ff
854 — 5.1 24 —
274 D 7665

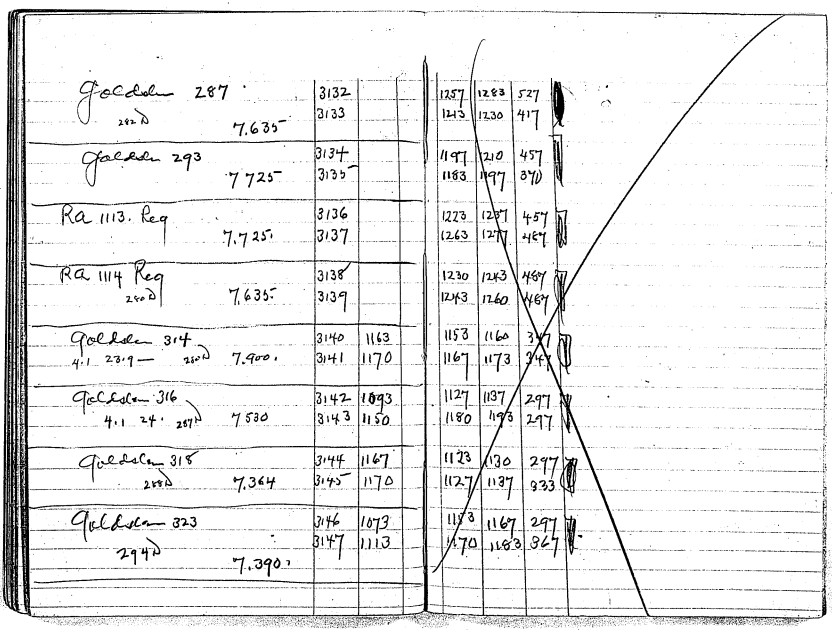
Lot 1123 - Goldilocks 283
4.1 23.7
301 D 7707.

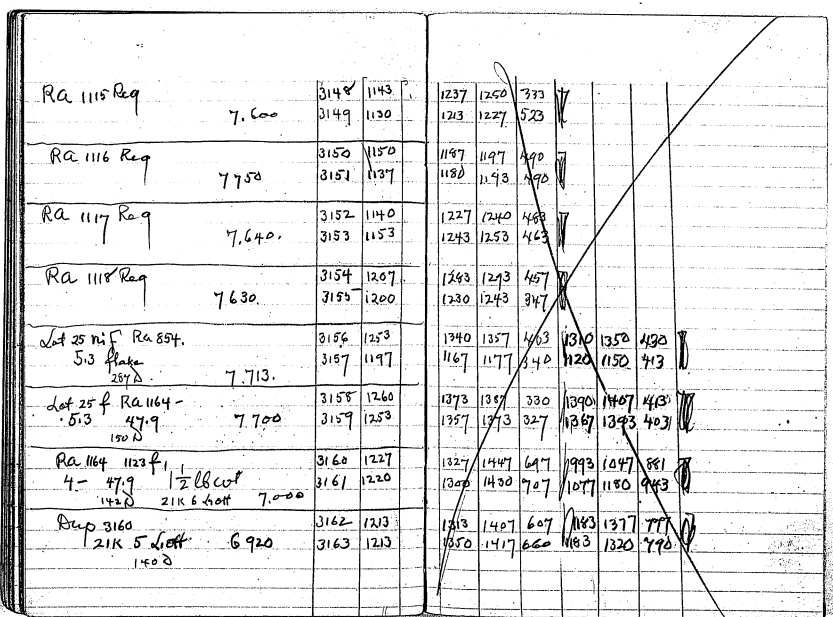
1123 f B.f lot 70 gm
use 1/2 Reg f 1/2 B.f — 160 D
4.9 48.1 - 1164 green
Dump G than f - than lamp 7635

3082	1260	1283	1404	520	
3083	1257	1293	1417	541	
3084	1230	1293	1303	410	
3085	1207	1267	1271	447	
3086	1210	1307	1317	467	
3087	1210	1300	1310	480	
3088	1173	1263	1273	330	
3089	1163	1263	1273	327	
3090	1150	1260	1270	347	
3091	1143	1263	1273	333	
3092	1183	1223	1233	373	
3093	1140	1253	1263	380	
3094	1057	1147	1157	303	
3095	1023	1123	1133	303	
3096	1213	1293	1303	340	
3097	1210	1327	1337	407	
3098	1197	1320	1330	407	
		1313			


Dup of 3096 -
Except Ra 854 48-
138 D
6.785-
3099 1217
3100 1217
3101 1207
1370 1380 547 1383 1410 647
1437 1447 610 1383 1440 653
1370 1380 589 1383 1417 713
1342
Goldstein 279
156 D
4.1 486
Dup Chief Imp
7.450
3102 1237
3103 1220
1387 1317 327
1300 1310 347
Goldstein 282
4.1 486
149 D
1137
7.196-
3104 1263
3105 1260
1313 1323 333
1320 1330 330
Ra 1093 Req
7.680
3106 1183
3107 1183
1217 1227 373
1230 1240 400
Ra 1102 - Req -
7670
3108 1159
3109 1153
1233 1243 403
1227 1237 403
Ra 1103 Req
268 D
7 600
3110 1180
3111 1180
1247 1257 440
1227 1237 403
Ra 1104 Req Exp
265 D
Some Check Varied - 7.940-
3112 1133
3113 1147
1177 1187 330
1197 1207 360
Ra 1105 Req 555 Exp
280 D
8.160-
3114 1120
3115 1140
1150 1160 323
1170 1180 360


Ra 1106 Reg
7.635
Ra 1107 Reg
7.535.
Ra 1108 Reg
7.560.
Ra 1109 Reg
7.655
Ra 1110 Reg
7.670.
Ra 1074 Reg ?
7.750.
Ra 1111. Reg-??
2nd
7.816
Ra 1112 Reg
7662
3116 1177
3117 1160
3118 1173
3119 1187
3120 1187
3121 1173
3122 1190
3123 1197
3124 1053
3125 1223
3126 1183
3127 1193
3128 1160
3129 1160
3130 1120
3131 1187
1268 1273 543
1293 1303 603
1260 1270 587
1255 1263 460
1253 1268 433
1243 1253 373
1210 1220 370
1283 1293 463
1093 1103 170
1290 1300 463
1240 1250 397
1227 1237 394
1213 1223 450
1227 1237 470
1227 1237 520
1263 1270 530
Dupont
3765 OR
Davis won the Crowles
Walter could call this
open - Walter says
Nobody plunged clouds
277 D -
3125 had 285 + Cook 268
last Book says 249 runners
for both of them - that round
Davis - Came -

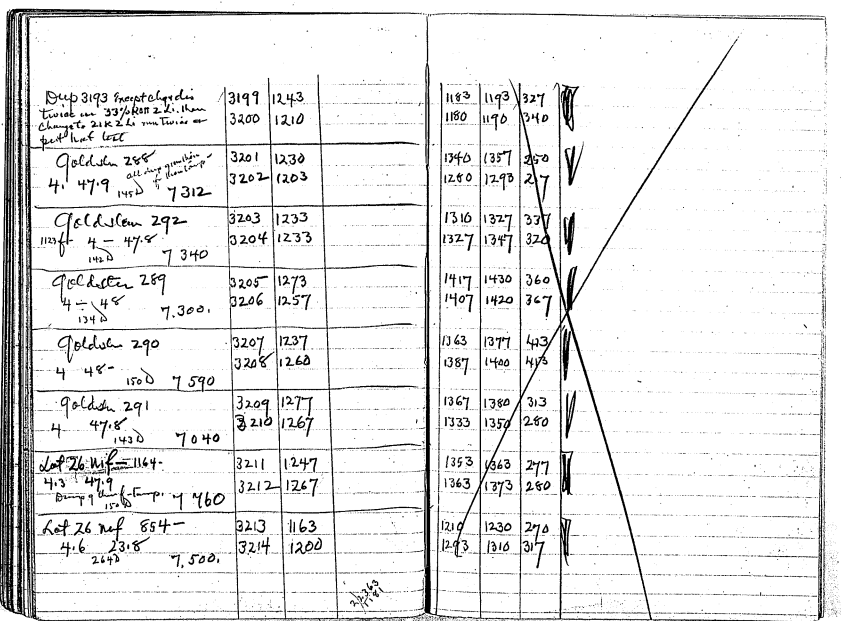

Goldden 287
282D
7.635
3132
3133
1257 1283 527
1243 1230 417
Goldden 293
7.725
3134
3135
1197 1210 457
1183 1197 870
Ra 1113. Reg
7.725
3136
3137
1273 1287 457
1263 1277 467
Ra 1114 Reg
280D
7.635
3138
3139
1230 1243 467
1243 1260 467
Goldden 314
4.1 23.9 280D
7.900
3140 1163
3141 1170
1153 1160 347
1167 1173 347
Goldden 316
4.1 24. 284D
7.580
3142 1093
3143 1150
1127 1137 297
1180 1193 297
Goldden 318
288D
7.364
3144 1167
3145 1170
1123 1130 297
1127 1137 933
Goldden 323
294D
7.390
3146 1073
3147 1113
1183 1167 297
1170 1183 867


Ra 1115 Rcq
7.600
3148 1143
3149 1130
1237 1250 373
1243 1227 523
Ra 1116 Rcq
7750
3150 1150
3151 1137
1187 1197 490
1180 1193 490
Ra 1117 Rcq
7.640.
3152 1140
3153 1153
1227 1240 468
1243 1253 463
Ra 1118 Rcq
7630.
3154 1207
3155 1200
1243 1243 457
1230 1243 347
Lot 25 mi f Ra 854.
5.3 Flake
267 D
7.713.
3156 1253
3157 1197
1340 1357 463 1310 1350 490
1167 1177 340 1120 1150 413
Lot 25 f Ra 1164 -
5.3 47.9
150 D
7.700
3158 1260
3159 1253
1373 1387 330 1390 1407 443
1357 1373 327 1367 1393 403
Ra 1164 1123 f 1
4.- 47.9 1 1/2 lb cut
142 D 21K 6 Hoff 7.000
3160 1227
3161 1220
1327 1447 697 1993 1047 881
1340 1430 707 1077 1180 993
Drop 3160
21K 5 Hoff 6.920
140 D
3162 1213
3163 1213
1313 1407 607 1183 1377 777
1350 1417 660 1183 1320 790

Dup 3160 – 21K + 4 Light. 140 D	6935 –	3164	1197
		3166	1202
Dup 3168 · 21K 3 Light. 137 D	6850	3166	1173
		3167	1190
Dup 3160 21K 2 Light. 136 D	6845 –	3168	1097
		3169	1157
Dup 3160 21K 1 Li	6840	3170	1097
		3171	1140
Ra 1164. 1120 f 4 – 47.9 21K 2 Li – 7000 Dumping Dump of Heat Temp 2 lb cut		3172	1140
		3173	1197
		3174	1180
Dup 3172 2½ lb cut 21K 2 Li ·	7.300	3175	1180
		3176	1207
		3177	1187
Dup 3172 – 3 lb cut. 148 D	7.500.	3178	1207
		3179	1190
		3180	1203
Accretion 281 – 48 + 4 – 152 D –	7.600.	3181	1223
		3182	1217

50 ½ H						
1373	1413	573	1260	1390	680	
1373	1403	570	1267	1390	730	
1300	1320	463	1270	1320	433	
1313	1327	463	1283	1313	533	
1150	1157	267	1080	1117	270	
1273	1283	333	1263	1277	463	
1133	1140	267	1143	1190	270	
1213	1223	297	1210	1260	307	
1250	1260	313	1230	1263	390	
1230	1240	343	1230	1250	390	
1263	1273	337	1263	1270	347	
1260	1270	350	1263	1290	367	
1263	1273	307	1283	1297	347	
1270	1283	337	1263	1287	357	
1283	1293	310	1310	1320	307	
1233	1247	307	1240	1240	287	
1263	1277	307	1250	1273	287	
1320	1330	367				
1450	1467	450				

				1340	1387	297
Golden 282		3183	1190	1370	1388	257
1123f 4 477	7,680.	3184	1203			
Golden 266		3185	1173	1280	1290	240
4 48 · 160 D	7.980	3186	1193	1287	1297	243
Golden 284		3187	1137	1290	1300	243
4 + 48 143	7200	3188	1177	1343	1357	303
Golden 285		3189	1193	1343	1357	293
4 + 48 145 D	7:100.	3190	1177	1317	1337	303
Golden 286		3191	1160	1367	1387	303
4 + 48 — 153 D	7 670	3192	1193	1387	1397	353
854 1123f 4.1 23.8		3193	1130	1193	1200	187
Charge this once in 33/4 KOH then change sort to 21 K 2 Li run twice & put on heat 266 D.	7 415 —	3194	1160	1240	1253	403
Dup 3193 but charge this twice in 33/4 Change to 21 K 2 Li 266 D		3195	1130	1290	1300	423
		3196	1077	1233	1243	340
Dup 3193 Except run once 33/4 K 2 Li then Change sort to 21 K 2 Li run twice & put on heat		3197	1210	1260	1220	373
		3198	1123	1193	1200	267



D4p 3193 Procptalgodi twist on 33/6Ken 2 Li Ikem changed to 21K 2 Li Ikem twist as per Ref 6666

3199	1243	
3200	1210	

Goldsden 288
4. 47.9 1450 7312

3201	1230	
3202	1203	

all long grain lots for these Comps

Goldsden 292
1123 ft 4 – 47.8 1420 7 340

3203	1233	
3204	1233	

Goldsden 289
4 – 48 1344 7.300.

3205	1273	
3206	1257	

Goldsden 290
4 48- 1500 7 590

3207	1237	
3208	1260	

Goldsden 291
4 47.8 1430 7040

3209	1277	
3210	1267	

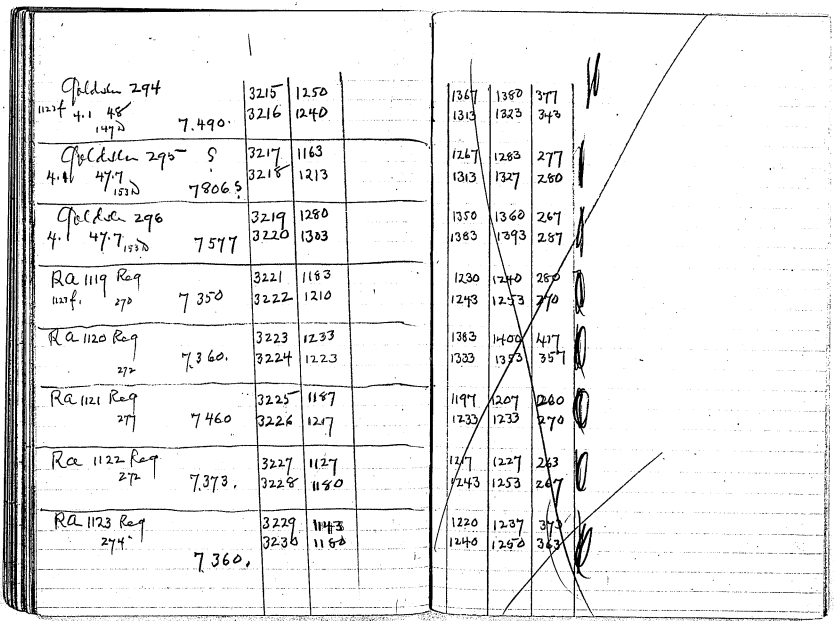
Lot 26 Mfm 1164-
4.3 47.9 1500 7 460
Dump

3211	1247	
3212	1267	

Lot 26 Ref 854-
4.6 23.8 2443 7,500.

3213	1163	
3214	1200	

1183	1193	327
1180	1190	340
1340	1357	260
1240	1293	267
1316	1327	337
1327	1347	320
1417	1430	360
1407	1420	367
1363	1377	413
1387	1400	413
1367	1380	313
1333	1350	280
1353	1363	277
1363	1373	280
1210	1230	270
1293	1316	317



Goldsboro 294
1123 f 4.1 48 1473 7.490.
3215 1250
3216 1240
1367 1380 377
1313 1323 348

Goldsboro 295 S
4.1 47.7 1573 7806 S
3217 1163
3218 1213
1267 1283 277
1313 1327 280

Goldsboro 296
4.1 47.7 1538 7577
3219 1280
3220 1303
1350 1360 267
1383 1393 287

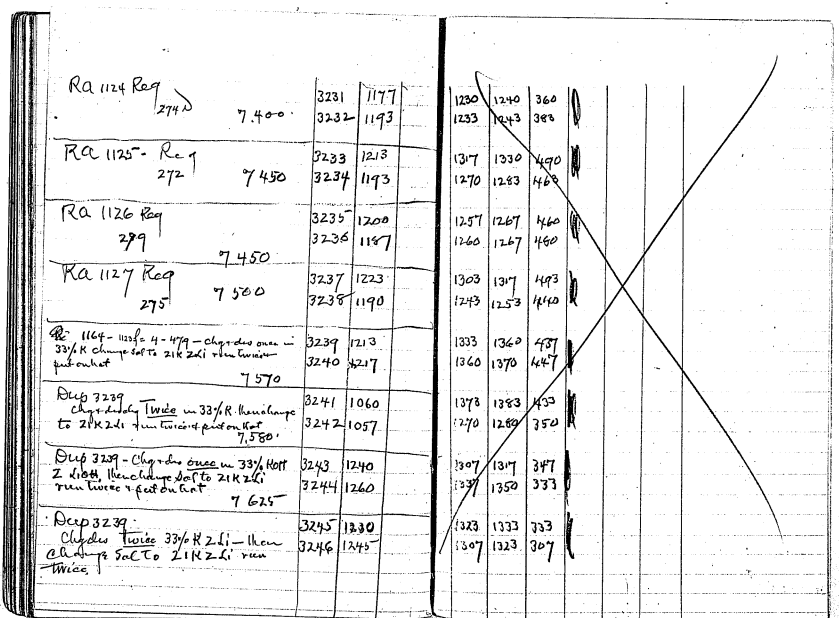
Ra 1119 Req
1123 f. 270 7 350
3221 1183
3222 1210
1230 1240 280
1243 1253 270

Ra 1120 Req
272 7360.
3223 1233
3224 1223
1383 1400 417
1333 1353 357

Ra 1121 Req
271 7460
3225 1187
3226 1217
1197 1207 280
1233 1233 270

Ra 1122 Req
272 7.373.
3227 1127
3228 1180
1217 1227 263
1243 1253 247

Ra 1123 Req
274 7360.
3229 1143
3230 1188
1220 1237 343
1240 1250 363



Ra 1124 Reg 274N 7.400

3231 1177
3232 1193

Ra 1125 - Reg 272 7.450

3233 1213
3234 1193

Ra 1126 Reg 299 7.450

3235 1200
3236 1187

Ra 1127 Reg 275 7.500

3237 1223
3238 1190

Re 1164 - 1123 to 4 - 479 - chg + dbs once in 33½ R changes set to 21K 2Li rem twice put on hot 7.570

3239 1213
3240 1217

Decp 3239 Chg + dbs Twice in 33½ R changes to 21K 2Li rem twice put on Hot 7.580

3241 1060
3242 1057

Decp 3239 - Chg + dbs once in 33½ Hott 2 Lott, then changes set to 21K 2Li rem twice put on hot 7.625

3243 1240
3244 1260

Decp 3239 Chg dbs Twice 33½ R 2Li - then changes set to 21K 2Li rem twice

3245 1330
3246 1245

1230 1240 360
1233 1243 388

1317 1330 490
1270 1283 469

1257 1267 460
1260 1267 460

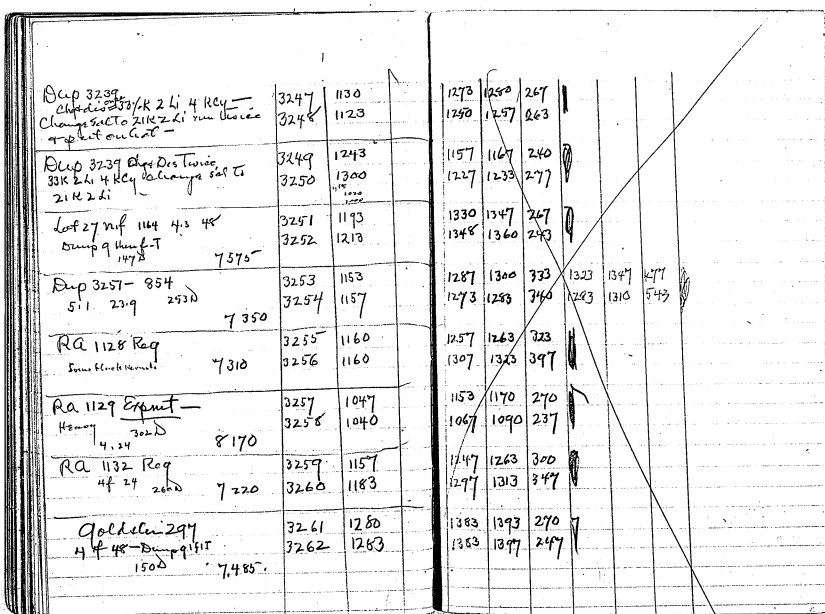
1303 1317 493
1243 1253 440

1333 1360 487
1360 1370 447

1378 1383 433
1270 1280 350

1307 1317 347
1337 1350 333

1323 1333 333
1307 1323 307



Dup 3239 Chlordiazep 33% K 2 Li 4 Req — Change Salt to 21 K 2 Li Iron Choice 4 pt Fe out —

3247 3248 | 1130 1123

Dup 3239 Dup Des Trans 33% K 2 Li 4 Req Change Salt to 21 K 2 Li

3249 3250 | 1243 1300 1310 1255

Loaf 27 Mf 1164 4:3 48 Dump 9 thumb T 1478 7575

3251 3252 | 1193 1213

Dup 3257 - 854 5:1 23.9 2530 7350

3253 3254 | 1153 1157

RA 1128 Req Same Stock Normal 7310

3255 3256 | 1160 1160

RA 1129 Exact — Heavy 302D 4:34 8170

3257 3258 | 1047 1040

RA 1132 Req 4f 29 2600 7220

3259 3260 | 1157 1183

Goldelin 297 4 Mf 48 - Dump 1511 1500 7485

3261 3262 | 1280 1283

1273 1250 267
1250 1297 263

1157 1167 240
1227 1233 277

1330 1347 267
1348 1360 243

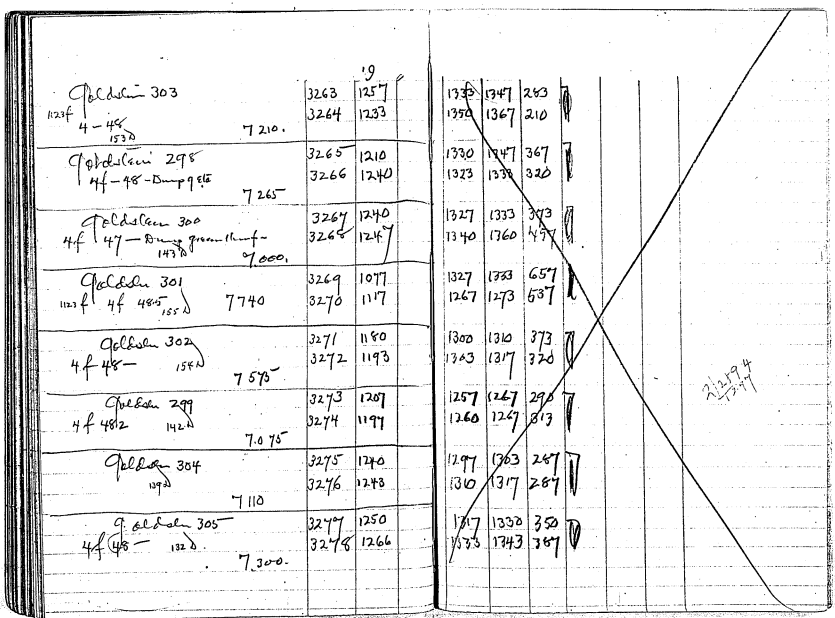
1287 1300 333 1323 1347 477
1273 1283 760 1283 1310 543

1257 1263 323
1307 1323 397

1153 1170 270
1067 1090 237

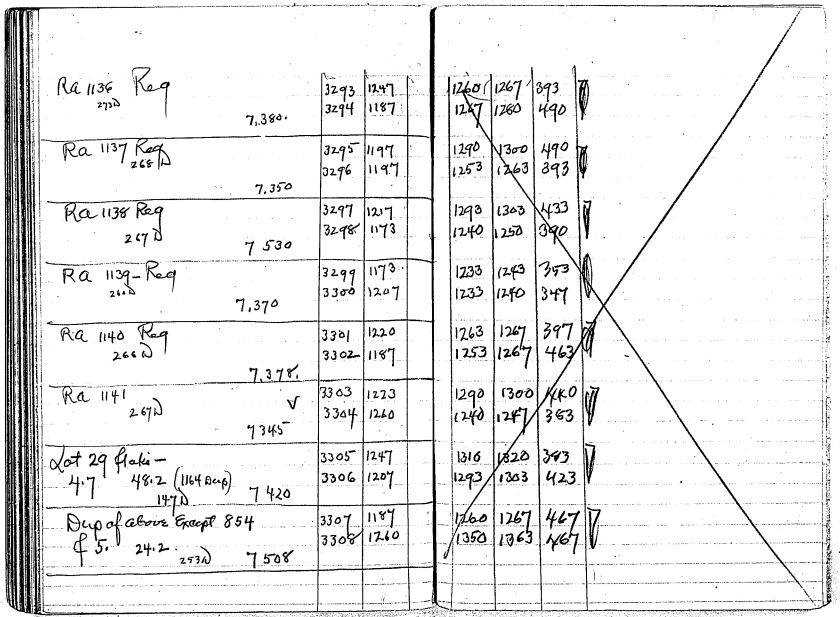
1247 1263 300
1297 1313 347

1383 1393 270
1383 1397 247



4f 48 - Goldlab 306 149	7585.	3279 3280	1250 1260
4f 44 Goldlab 310 150	7640	3281 3282	1167 1223
Lot 28 mif - 1164 prior f 4.3 47.4 The lot from the Ra 1164 -	7.460.	3283 3284	1233 1223
New Dup of 1164 4f 24 qpro 8.170 - on loading list			
Dup of 3283 - 854 from 4.7 23.9	7.527.	3285 3286	1183 1183
Ra 1133 Req mif -	7432	3287 3288	1187 1183
Ra 1134 Req	7.400.	3289 3290	1184 1117
Ra 1135 Req	7.460	3291 3292	1183 1183

1313	1323	343	
1320	1330	343	
1273	1287	450	
1267	1273	450	
1363	1373	463	
1333	1350	449	
1267			
1273	1289	500	
1257	1267	460	
1267	1277	460	
1300	1310	533	
1267	1283	487	
1270	1280	443	
1290	1300	443	
1267	1273	400	



Ra 1136 Reg 273N — 7,380.
3293 1247
3294 1187
1260 1267 393
1247 1260 490

Ra 1137 Reg 268N — 7,350
3295 1197
3296 1197
1290 1300 490
1253 1263 393

Ra 1138 Reg 267N — 7 530
3297 1217
3298 1173
1298 1303 433
1240 1250 390

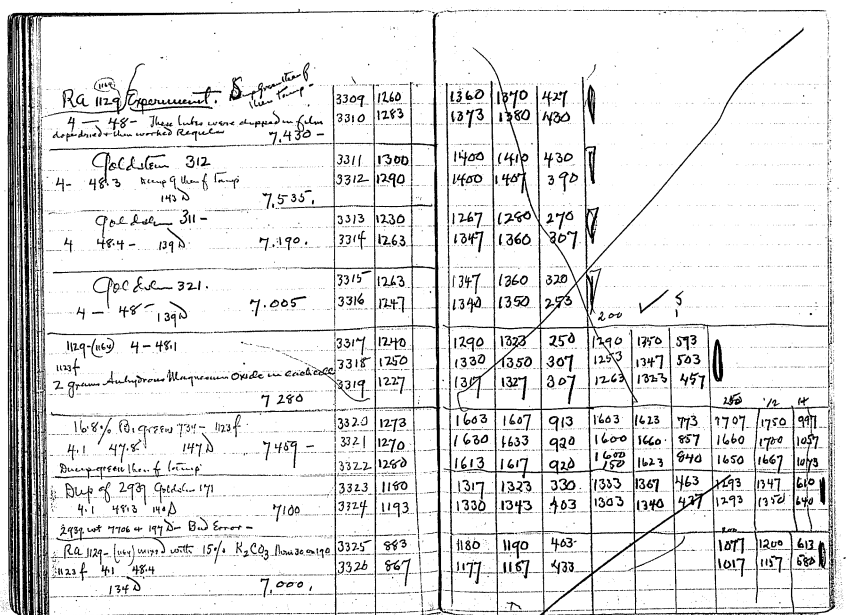
Ra 1139 - Reg 266N — 7,370
3299 1173
3300 1207
1233 1243 353
1233 1240 347

Ra 1140 Reg 266N — 7,378.
3301 1220
3302 1187
1263 1267 397
1253 1267 463

Ra 1141 267N — 7345
3303 1223
3304 1240
1290 1300 460
1240 1247 363

Lot 29 Hahi — 4.7 48.2 (1164 Reg) 147N — 7 420
3305 1247
3306 1207
1316 1320 393
1293 1303 423

Dup of above Except 854 of 5. 24.2 273N — 7508
3307 1187
3308 1240
1260 1267 467
1350 1363 467



Ra 1129 Experiment. Bulk quantities of (Neo Temp)

4 — 48 — These tubes were supposed to be dehydrated at the normal Regulation 7.430 —

Gel System 312
4 — 48.3 Decomposition Temp 142 Δ 7.535.

Gel System 311 —
4 48.4 — 139 Δ 7.190.

Gel System 321.
4 — 48 — 139 Δ 7.005

1129 (new) 4 — 48.1
1123 f
2 grams dehydrous Magnesium oxide in crucible
7 280

16.8% Bi oxide 734 — 1123 f
4.1 47.8 147 Δ 7.469 —
Decomposition Temp of Compound

Disp of 2939 Gel System 171
4.1 48.3 149 Δ 7.100

2939 wt 7706 at 197 Δ Bad Error —

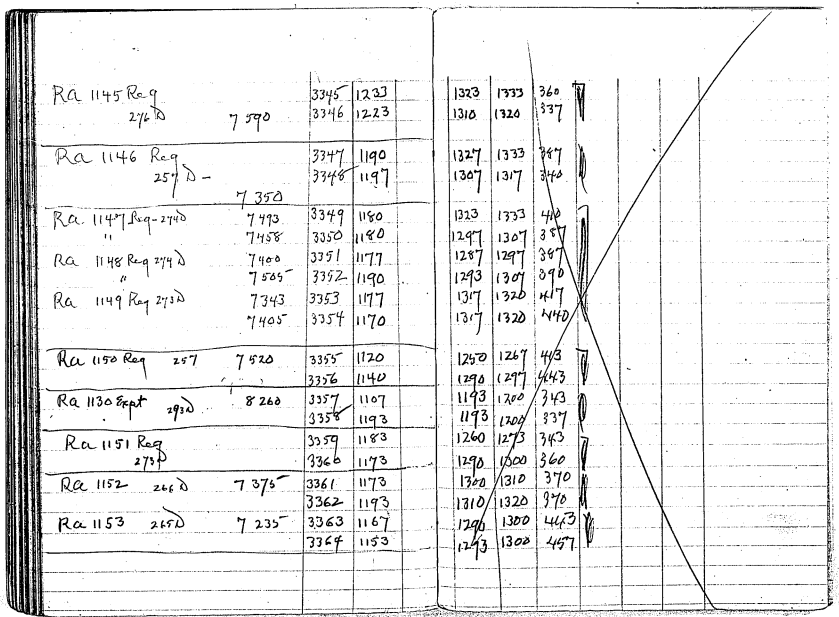
Ra 1129 (new) mixed with 15% K_2CO_3 Ratio 2 to 190
1123 f 4.1 48.4
134 Δ 7.000.

3309	1260	1360	1370	427							
3310	1283	1373	1380	430							
3311	1300	1400	1410	430							
3312	1290	1400	1407	390							
3313	1230	1267	1260	270							
3314	1263	1347	1360	307							
3315	1263	1347	1360	320							
3316	1247	1340	1350	253							
3317	1240	1290	1333	250	1290	1350	573				
3318	1250	1330	1350	307	1253	1347	503				
3319	1227	1317	1327	307	1263	1323	457				
								1250	1.12	14	
3320	1273	1603	1607	913	1603	1623	773	1707	1750	997	
3321	1270	1630	1633	920	1600	1660	857	1660	1700	1057	
3322	1268	1613	1617	920	1600 150	1623	840	1650	1667	1073	
3323	1180	1317	1323	330	1333	1367	463	1293	1347	610	
3324	1193	1330	1343	403	1303	1340	427	1293	1358	640	
								1500			
3325	883	1180	1190	403				1077	1200	613	
3326	867	1177	1187	433				1017	1157	680	

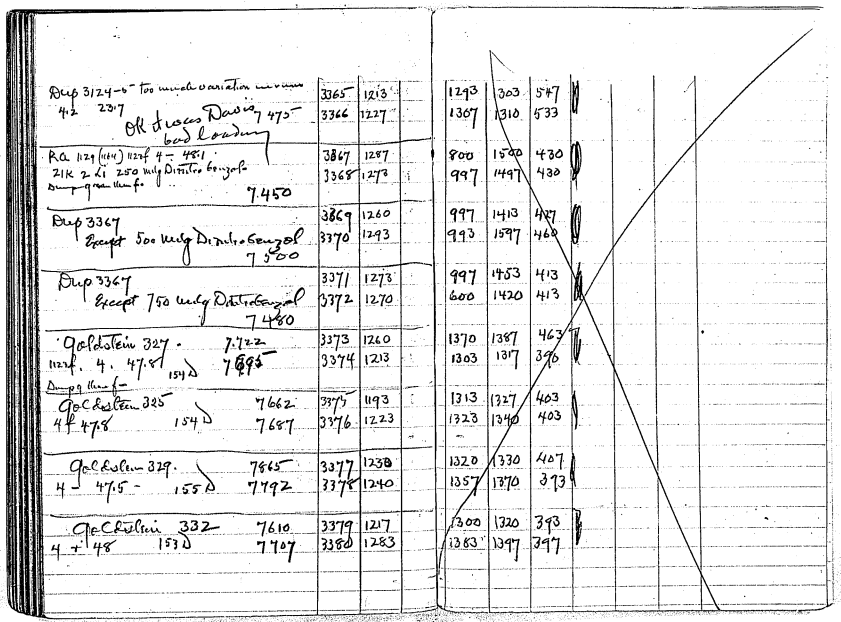
Highest Known Cals

Dup Gulf 25% K_2CO_3 —		3327	1550	793	807	447	867	993	587					
4:1 48- 138D		3328	1543	787	800	537	900	797	637					
dump Gallon { Imp - 6828							2nd							
1129-(1164) 21K 2Li + 2 grms Magnesium hydroxide		3329	1243	1317	1333	487	1340	1437	603					
4:1 48 Enclosed		3330	1250	1330	1360	437	1157	1400	600					
145D 7.327		3331	1250	1333	1360	420	1290	1350	650					
							1500			2nd				
1129 (1164) mixed with 15% anhydrous Bismuth Oxide from 30 of 170 mix		3332	1327	1617	1623	937	1567	1583	937	1700	1750	1057		
1129 f -4 48:5 152D BISMUTH 6558 Mgm 7950		3333	1330	1583	1590	937	1567	1587	880	1700	1750	1057		
				1600			1500							
1129 - 4. 48:5 2 grm Bismutal Cement to the nom packet, 15 Enclosed -		3334	1247	1353	1367	453	1373	1400	660	1310	1377	697		
		3335	1257	1360	1373	457	1387	1410	670	1310	1360	640		
146D BISMUTH 7.380 -		3336	1243	1347	1357	450	1393	1433	590	1353	1383	630		
				1230	1240	400	1277	1363	570	1273	1313	497		
Ra 1131 M Expunt		3337	1163	1257	1267	393	1330	1353	643	1303	1333	587		
1129 f 4:2 287 299D 8.225 —		3338	1153											
Ra 1142 Req		3339	1170	1280										
274D 7.450		3340	1160	1240										
Ra 1143 Req		3341	1200	1310										
279 7.513		3342	1180	1310										
Ra 1144 Req		3343	1213	1300										
274D 7.475		3344	1157	1247										

3332	1613	1650	1073	See 15
3333	1620	1647	1050	
3334	1267	1360	920	
3335	1260	1393	923	See 15
3336	1277	1400	650	



Ra 1145 Req 276 D	7590	3345	1223	1323	1333	360		
		3346	1223	1310	1320	337		
Ra 1146 Req 257 D	7350	3347	1190	1327	1333	387		
		3348	1197	1307	1317	340		
Ra 1147 Req 274D	7493	3349	1180	1323	1333	410		
"	7458	3350	1180	1297	1307	387		
Ra 1148 Req 274 D	7400	3351	1177	1287	1297	387		
"	7505	3352	1190	1293	1303	390		
Ra 1149 Req 273D	7343	3353	1177	1317	1326	417		
	7405	3354	1170	1317	1326	440		
Ra 1150 Req 257	7520	3355	1120	1260	1267	443		
		3356	1140	1290	1297	443		
Ra 1130 Supt 293D	8260	3357	1107	1193	1200	343		
		3358	1193	1193	1200	337		
Ra 1151 Req 273D		3359	1183	1260	1273	343		
		3366	1173	1290	1300	360		
Ra 1152 266 D	7375	3361	1173	1300	1310	370		
		3362	1193	1310	1320	370		
Ra 1153 265D	7235	3363	1167	1290	1300	443		
		3364	1153	1293	1300	467		



Disp 3124-6 Too much variation in mins
4.2 2307 OK Draco Davis 7.475 bad loading

	3365	1213	1293	303	547	
	3366	1227	1367	1310	533	
RA 1129 (1144) 1127f 4 – 481	3367	1287	800	1500	430	
21K 2 Li 250 mfg Distillers benzole	3368	1273	997	1497	430	
Dump from mf. 7.450						
Disp 3367	3369	1260	997	1413	427	
Except 500 mfg Distillers benzol 7.500	3370	1293	993	1597	463	
Disp 3367	3371	1273	997	1453	413	
Except 750 mfg Distillers benzol 7.480	3372	1270	600	1420	413	
Gelsenkirchen 327 · 7.722	3373	1260	1370	1387	463	
1127f. 4. 47.8 154 D 7.495	3374	1213	1303	1317	396	
Dump from mf.						
Gelsenkirchen 325 7662	3375	1193	1313	1327	403	
4 47.8 154 D 7.687	3376	1223	1323	1340	403	
Gelsenkirchen 329. 7865	3377	1238	1320	1330	407	
4 47.5 – 155 D 7.792	3378	1240	1357	1370	373	
Gelsenkirchen 332 7610	3379	1217	1300	1320	393	
4 + 48 153 D 7.707	3380	1283	1383	1397	397	

[ITEM FOUND IN BOOK]

They Sell Axle outfit 300 amp 16 c 32 V $900—
9/6 KWH - Wt 1500 lbs + Battery about 3700 lbs

They sell Street Railway Lighting 32 c 300 amp $600 to 650
18 KWH Weight 5472 lbs

Our price Straight Lighting 50 AB $1350
weight 1300 lbs —

If Car runs 850 miles day - with straight Lighting
with our battery there is 227 ton miles at ½ cent 1.13 day
$302 year
Lead battery 957 ton miles - ½ c 4.78/100 or $1491.56/100 year
of 312 days — It would appear from this the RR
could buy our battery, run it one year, then throw it
away - and it would be cheaper than to buy the Lead
battery for nothing, in fact the Lead battery would
have to be put in free & the RR Co pay the
with a check for $239. to complete on even terms
½ cent a ton mile on passenger trains is probably
correct, if its too high it can be cut way down &
still be in it,

As Regard Axle, assuming Wts for Dynamos same
for both, then wt for battery alone 2736 lbs -
our 24 cells 729
or one ton in excess 350 ton miles day at ½ c 1.75 day or
$546. year to haul the excess battery; our battery only cost
with haulage and all $742.00, at ten years at ½ the saving in first
alone would pay for our battery, & they get the Lead for nothing

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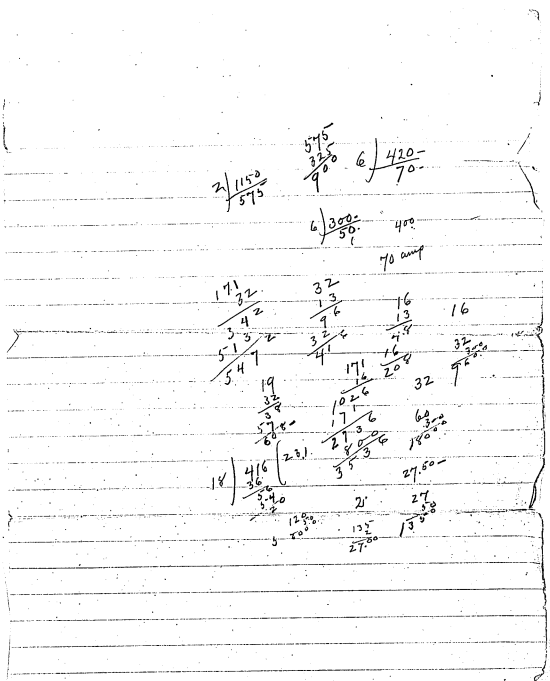

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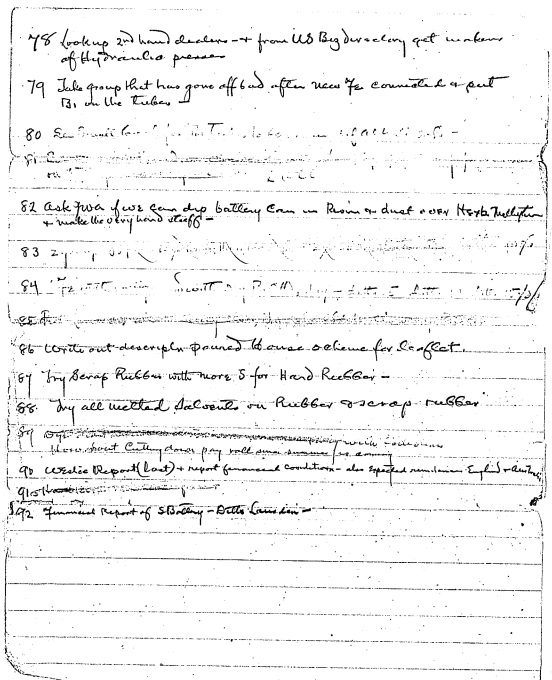


Notebook, N-10-03-06

			50	100	150	200	250	300	350	400	450	500
932 739 green 104 f dump green then flake equiz one lamp-	932		1360	1337	1380	1397	1357	1260	1260	1262	1080	1123
	933		1347	1337	1380	1400	1367	1260	1160	1177	1052	1117
739- 36 mlg Green 104 f - 6 mlg f 188 Dumps 7330	985	1207	1270	1273	1303	1353	1333	1363	1353	1047	9 mo 1290	1210
	986	1230	1243	1243	1260	1323	1337	1310	1317	1120	1233	1197
739 35.9 green 4 mlg f 189 D 7200	987	1240	1300	1280	1303	1353	1363	1410	1330	1187	9 mo 1240	1193
	988	1230	1323	1323	1353	1413	1420	1427	1400	1153	1363	1170
Dup 667 Except Thru 30 on 190 35.7 green 4.3 f 200 D - 7500	1077	1223	1310	1330	1293	1270	1280 x8	1187 x5	1070 x1	9 mo 1200	1133	5 pts 1060
	1078	1220	1333	1390	1337	1313	1293	1253	1117	1287	1190	1160
Dup of 663- 6.2 f 35.7 green 7 555	1079	1153	1223	1257	1220	1233	1267	1260	1153	9 months 1333	1253	1217
	1080	1160	1280	1293	1250	1247	1267	1223	1100	1363	1180	1153
739 Green 159 f 4.2 35.8 7.240.	1382	1240	1183	1277	1257	1280	1290	1223	9 months 1307	1187		
	1383	1250	1213	1320	1333	1343	1323	1260	1320	1183		
	1384	1253	1197	1317	1333	1343	1343	1280	1317	1200		
	1385	1250	1210	1317	1347	1313	1323	1237	1293	1217		
	1386	1253	1187	1303	1307	1277	1290	1223	1287	1150		
	1387	1247	1183	1287	1253	1260	1280	1213	1283	1183		
				1302	1330	1305	1308	1237	1301			

	550	
932	1031	970
933	1000	937
985	1197	0
986	1160	
987	1070	
988	1077	

			50	100	150	200	250	300	350	
739 Green 159 f	1400	1213	1197	1250	1313	1283	1280	1183	1198	
4.3 47.7 green	1401	1220	1180	1300	1333	1270	1277	1183	1210	
7.100.	1402	1213	1187	1360	1363	1290	1280	1193	1193	
No li on 1st part of Coeds not test – Balled up by Hooped	1403	1203	1200	1307	1340	1373	1313	1217	1203	C 70.72 1119
	1404	1213	1207	1273	1360	1340	1277	1100	1120	
	1405	1207	1207	1300	1373	1293	1267	1190	1183	
			1196	1288	1358	1306	1282	1174	1159	
739 Grn 4.4 f 159 – 59.7 Grn	1417	1150	1150	1203	1277	1230	1233	1037	1060	
6.862.	1418	1147	1150	1237	1293	1243	1200	1053	1023	
	1419	1150	1157	1237	1280	1193	1200	1050	983	
	1420	1157	1143	1250	1280	1283	1273	1123	1083	C
No li 1st part test	1421	1160	1130	1243	1280	1257	1230	1097	1080	
	1422	1167	1130	1297	1271	1233	1220	1097	1060	
			1143	1246	1291	1241	1226	1079	1046	
739 Green. 4.4 f 159 70.2 Green	1449	1043	1220	1203	1203	1180	1091	1003	943	
	1450	1053	1230	1210	1217	1143	1060	943	933	C0
6.932.	1451	1027	1237	1210	1230	1163	1067	943	933	Bound 2 Litter
No li 1st part of test	1452	1020	1217	1207	1200	1140	1033	930	850	Cocc under Microscope
	1453	1057	1240	1220	1230	1167	1053	927	900	
	1454	1020	1230	1207	1178	1137	1040	943	887	
			1209	1209	1209	1155	1054	951	914	

			50	100	150	200	250	300 .9V	350	400	450	
719- 159f 4.4 159f	1521	1190	1193	1257	1247	1283	1150	1247	1190	1157		
36 Green.	1522	1187	1193	1253	1238	1260	1133	1220	1157	1140		
Dump green thin flake thin Tamp	1523	1163	1160	1187	1217	1270	1133	1240	1177	1140		
180 D 7.142	1524	1203	1190	1257	1233	1260	1077	1213	1167	1147		Co
	1525	1190	1207	1250	1283	1290	1177	1240	1227	1158		
	1526	1203	1213	1247	1266	1290	1160	1223	1187	1120		
			1193	1225	1246	1276	1154	1231 .9V	1184			
719- 159-	1533	1243	1260	1300	1290	1307	1200	1200	1140	1027		
4f 48 Green	1534	1210	1250	1260	1320	1307	1247	1213	1157	1027		
141 D	1535	1227	1257	1310	1297	1307	1233	1200	1117	1037		
	1536	1223	1257	1310	1323	1357	1240	1200	1060	1010		
	1537	1223	1257	1303	1310	1307	1237	1217	1120	1057		
	1538	1197	1247	1303	1310	1350	1260	1217	1113	1053		
			1255	1309	1308	1322	1239	1228 .9V	1118			
854- 159f	1555	1237	1307	1327	1347	1287	1337	1267	1123	1057		(Kallum)
4- 36.5 Green	1556	1227	1313	1327	1327	1310	1270	1267	1147	1057		Try Stands
174 D	1557	1217	1273	1270	1290	1267	1227	1267	1140	1083		
Dump green Thin f lamp 6.992	1558	1250	1347	1343	1377	1363	1317	1300	1150	1007		Co
	1559	1253	1317	1327	1350	1330	1253	1363	1180	1077		
	1560	1237	1313	1327	1350	1233	1273	1300	1180	1053		
			1312	1320	1390	1294	1240	1324	1153			

			50	100	150	200	250	300	350	400
854 – 159f	1606	1183	1290	1317	1250	1223	1127	1193	1160	1060
4.2 47.6 Grow	1607	1160	1287	1313	1233	1177	1117	1193	1147	1020
125 D	1608	1163	1300	1330	1277	1243	1157	1240	1160	1027
Dump green then f-Tamp. 6 773	1609	1187	1320	1333	1280	1250	1180	1247	1197	1017
	1610	1177	1313	1333	1290	1300	1223	1273	1193	1050
	1611	1190	1300	1323	1280	1243	1187	1260	1197	1057
			1302	1326	1268	1239	1165	1234	1176	
1164 – 25 lb Dup – Dump green then f-Tamp	1885	1047	1210	1287	1277	1270	1413	1330	1283	1293
4.2 24.1 Grow	1886	1080	1267	1363	1357	1287	1540	1390	1260	1267
294 D 6.671 G 8 105	1887	1077	1197	1300	1300	1263	1473	1383	1323	1300
			1237	1316	1311	1275	1475			
Dup 1885	1888	1113	1350	1443	1393	1330	1437	1230		
4f 36 green	1889	1087	1270	1357	1313	1223	1433	1123	Co split	
205 D 6.909 7,800	1890	1103	1310	1433	1387	1330	1433	1200		
			1310	1411	1364	1294	1434			
Dup 1885	1891	1117	1350	1477	1440	1390	1460	1190		
4 f plate 48 Green	1892	1080	1260	1393	1327	1320	1400	1083	Co split	
160 D 7.030 7.664	1893	1117	1337	1460	1450	1420	1477	1200		
			1316	1443	1406	1371	1446			
1164 – 159f	2078	1167	1333	1377	1343	1387	1233			
4.5 35.8	2079	1203	1347	1410	1347	1387	1280			
198 D	2080	1187	1330	1380	1343	1347	1213			
Dump green then f-Tamp.	2081	1177	1327	1380	1313	1380	1303			
6.800 green 7 665	2082	1167	1330	1350	1250	1320	1223			
	2083	1170	1320	1377	1343	1380	1380			
			1333	1379	1333	1379	1329			

Split + 3 Tr if Ramp Broken

Note

1164 – 159ft
4.5 47.8 Dump grn then f-Tramp
6.976 – 7633

1164 159ft Dump Green then f-Tramp
4.4 60.4
7.058 7573

Dump 2078
4.4 71.4 Grn
Dump G then f-Tramp
100 D
7.232 grn – 7.472

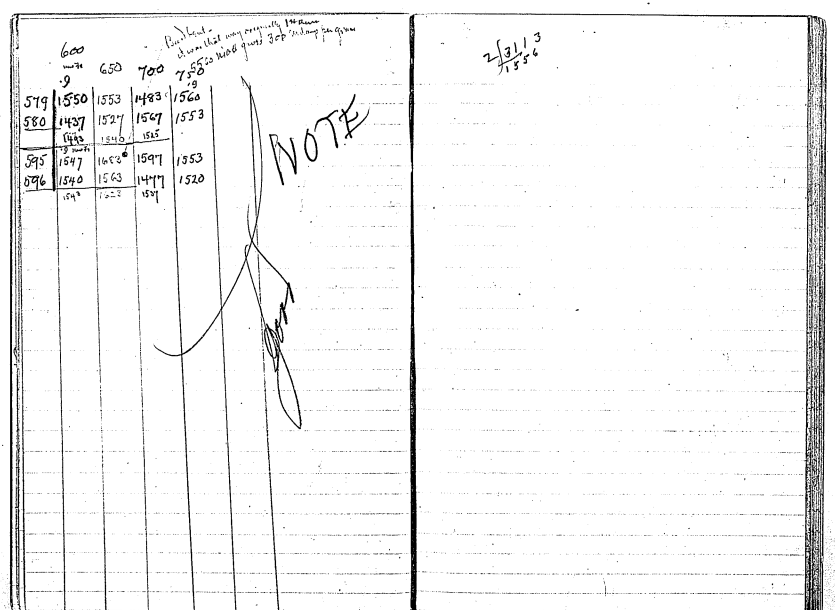
2084	1200	
2085	1200	
2086	1180	
2087	1210	
2088	1207	
2089	1217	
2090	1117	
2091	1110	
2092	1123	
2093	1110	
2094	1123	
2095	1123	
2096	1047	
2097	1077	
2098	1073	
2099	1071	
2100	1080	
2101	1077	

50	100	150	200	new 42
1397	1453	1393	1397	1247
1347	1397	1377	1367	1273
1373	1450	1417	1447	1317
1373	1450	1390	1363	1177
1397	1470	1410	1397	1260
1390	1463	1413	1430	1240
1379	1447	1401	1396	1246
1353	1420	1360	1347	1177
1323	1393	1353	1330	1177
1323	1403	1373	1360	1280
1317	1357	1350	1357	1317
1327	1357	1340	1310	1213
1327	1363	1350	1350	1213
1324	1352	1354	1343	1229
1300	1350		1233	
1293	1383		1357	
1270	1350		1230	
1293	1357		1310	
1327	1373		1327	
1303	1353		1253	
1296	1361		1284	

				50	100	150	200	250	
Dup 2078 – 1164 – Dump G flow f-Tump	2102	1127		1327	1330	1340	1373	1363	
	2103	1147		1400	1400	1423	1450	1363	
2 Lbl of Bismuth f	2104	1130		1353	1373	1307	1440	1340	
36.1 4.3	2105	1127		1350	1370	1397	1457	1447	
	2106	1140		1377	1450	1397	1450	1423	
Bismuth 7745	2107	1107		1357	1473	1423	1460	1417	
				1326	1383	1361	1438	1387	
Dup 2102 1164	2108	1203		1467	1550	1527	1567	1478	
4.3 47.8	2109	1210		1513	1547	1503	1417	1388	
Bismuth 2 Lbf	2110	1183		1513	1567	1563	1497	1457	
7.037 7 674	2111	1213		1517	1533	1493	1433	1418	all split a tungo Graben
Dump from f Tump -	2112	1147		1517	1570	1567	1530	1463	
1493	2113	1213		1567	1630	1440	1523	1410	CO
Bismuth				1515	1566	1503	1495		
						-9			
Ra 1164 – Gut Dup of Ut° 1253 –	2294	1210		1380	1447	1480	1367		
159f 4- 47.6 –	2295	1200		1383	1440	1468	1353		
	2296	1210		1390	1467	1510	1413		
Dump from thin f Tump.	2297	1213		1417	1460	1460	1363		Co as it will splet
162d 7038 green 7 650	2298	1220		1440	1530	1520	1420		
	2299	1213		1417	1463	1493	1407		
				1424	1468	1488			

				50	100	150	200	250	300	350	400	450	500	550
168% Bismuth in Green	579	1200		1447	1433	1443	1313	1437	1507	1277	1343	1437	1520	1353
Shaved f 106- 18 chg'd in 21K 4 Li ½ rate	580	1193		1446	1427	1450	1297	1457	1477	1397	1387	1450	1493	1360
Then change to 21K 2 Li 2930 7.860				1446	1430	1446	1305	1447	1492	1337	1385	1443	1506	1356
168% Bismuth Green (cont)	595	1326		1440	1400	1443	1287	1460	1493	1330	1340	1483	1517	1360
Chg'd in Twice in 21K 8 Li ½ rate 5560 7000	596	1320		1440	1433	1443	1320	1423	1440	1390	1303	1337	1460	1263
Then change to 21K 2 Li 2930 7.924.				1440	1416	1443	1303	1441	1466	1360	1321	1410	1489	1311
159 f. 884.	1612	1220		1343	1377	1327	1367	1353	70 = 1487	1410	1320			
45 24.2	1613	1213		1300	1343	1248	1290	1323	1450	1393	1330			
2 grm Bismuth Increment to Yield 7.680	1614	1217		1313	1347	1280	1307	1327	1377	1360	1313			
				1319	1356	1243	1331	1334	1425	1365	1321			
1253 (1100) Green 4 f 96 green	2649	1147		1283	1253	1250								
Dump G then f then Tamp	2650	1147		1313	1273	1263								
7085	2651	1130		1313	1300	1257								
21K2 Li				1303	1277									
Dup 2649	2652	1100		1250	1220	1223								
	2653	1090		1213	1200	1170								
21K1 Li 7000	2654	1113		1257	1227	1213								
				1240	1216									
1253 Green 5:3 Bismuth f 216 Lot	2655	1197		1430	1400	1350								
760 95.4 Green 21K2 Li	2656	1187		1413	1333	1307								
Dump G then f then Tamp 7150	2657	1197		1473	1353	1360								
Lot 114 grm				1439	1362									
Dup 2655	2658	1147		1310	1250	1333								
21K1 Li	2659	1133		1310	1290	1350								
				1310	1270									

Co-


600
650
700
579
580
595
596
1550
1553
1483
1560
1437
1527
1567
1553
1547
1540
1497
1553
1540
1563
1477
1520
NOTE

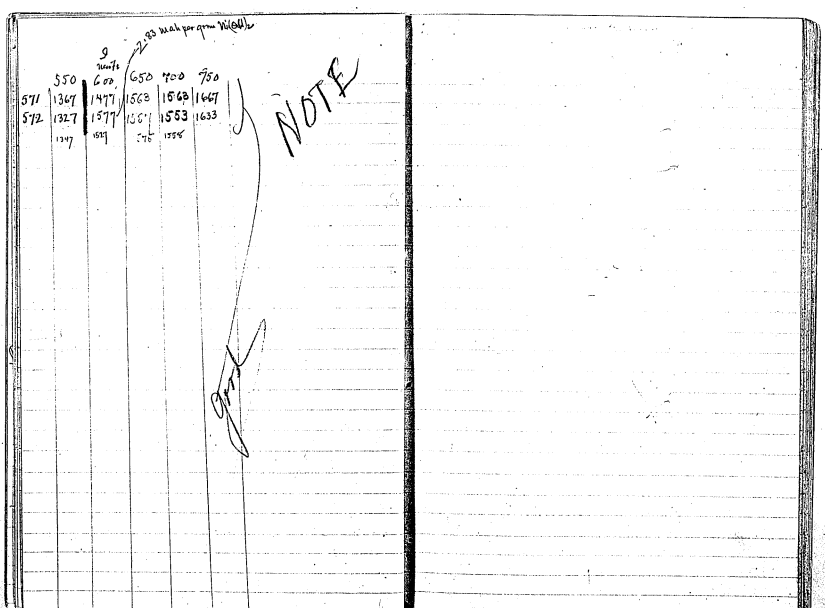
734 – 16.8% Bi (Dupa 565)		571	1183
565 of mat'y with Li Alloy Cryst twice 1/4 rate in 21 K3 Fi-acetate, 21 H2 Li-formiate Mann Brun Host		572	1177
	7.990		
Goldstein 128 –		2565	1213
1.7% Bi precip in NaOH 4 24 –	7470	2566	1230
Goldstein 125		2608	
1.7% Bi precip in NaOH 4 24	7380	2611	
Goldstein 216		2750	1140
6.8% Bi precip in NaOH, 15% f	7.180	2751	1153
Goldstein 144	5 sap green	2752	1203
5.10% Bi precip in NaOH. 15% f	6930	2753	1193
Goldstein 209 –		2782	1113
15% f 4 24		2783	1133
5.10% Bi precip in NaOH	7120		
Goldstein 215		2784	1213
24 – 5.10% Bi in green	7.510	2785	1210
Goldstein 152		2776	1197
1.7% Bi in green 24 green	7.165	2777	1200

Important note – changing % improves Bi lustre on first 2nd or 3rd Run + Hot run capacity which goes 33% on 1st Charge comes back = This is not so with non Bi improved on 1st Run when they grow less no of Runs goes and something else

50	100	150	200	250	300	350	400	450	500
1467	1500	1497	1417	1410	1477	1267	1260	1373	1463
1393	1257	1488	1400	1360	1437	1270	1250	1447	1417
1410	1393	1448	1408	1395	1456	1268	1255	1410	1440
1357	1347	1353	1293						
1390	1347	1363	1343						
1373	1347	1358	1318						
1290	1307	1300							
1293	1310	1300							
1291	1308	1300							
1373	1410	1413	1383						
1310	1413		1390						
1341	1412								
1370	1480		1443						
1377	1443		1443						
1373	1461								
1397	1393	1400	1433						
1450	1387	1400	1460						
1433	1390	1400							
1450	1413	1433	1467						
1450	1427	1440	1487						
1450	1426	1437							
1413	1457		1430						
1380	1443		1390						
1396	1450								

NOTE

NOTE


2.93 Mark per gram Weight
9 marks
550 600 650 700 750
571 1367 1477 1568 1568 1647
572 1327 1577 1587 1583 1633
1347 1587 1576 1588
NOTE

				50	100	150	200	250	300	350	400	450	500
RA.734 16.8% Bismuth	3031	1153		1377									
4:1 48 grosses	3032	1160		1340									
1123 f 7455				1358									
Gold foam	3049	1233		1360									
8.5% Bi pure grosses	3050	1243		1397									
4:1 24:1 7570				1378									
734 - soaked 20 min Conc Bi of 3 MHCl all	525	1140		1350	1247	1337	1350	1418	1327	1453	1260	1117	1237
free liquid poured out then dried put in KOH	526	1147		1293	1237	1290	1153	1320	1349	1450	1247	1137	1277
heated several hours then washed & neutralised	527	1147		1300	1243	1393	1320	1293	1377	1450	1200	1133	1233
till very little trace of Chloride left 8213				1319									
21162 1084				1617									
1129 (1164) mixed with 15% anhydrous BISMUTH	3332	1327		1583									
oxide - burn 20 on 190 152 D	3333	1330		1600									
1123 f 485 6.258 grm 7950													
1129 (1164) 4 f 48:3 146 D -	3334	1247		1353									
BISMUTH metal 2 grms Connected to iron	3335	1257		1360									
pockets 2 each end 7 380	3336	1243		1347									
1164 - 159 f 24 grosses then 4 f then 1 grosses	2830	1267		1403	1467	1453							
24 grosses then 4 f then 1 tamp one	2831	1260		1440	1467	1420							
Tamp for both dumps 286 Dumps	2832	1287		1413	1487	1463							
6 595 grosses - 7 700				1405	1479	1446							

Neutr.

	550	600	650	700	750	800	850	900
525	1020	1150	1348					
526	1007	1150	1360					
527	1020	1200	1303					
			1335					

Goldstein's Bismuth 1000 –

	½ Bl. Mt		Bl. Mt
125	1.7	Ni 690 No 530	160 6.8
128	1.7		161 6.8
		No 530 No 490	162 2.55
130	1.7	"	163 3.40
135	8.5	No 490 Ni 690	164 4.25
139	4.25	No 550 Ni 690	166 1.70
140	5.10		167 3.40
141	5.10	all yellow	168 5.10
142	5.10	2 drops	173 3.40
144	5.10		175 5.10
148	1.70		179 8.50
149	3.40		189 5.10
150	5.10		190 8.50
152	1.70		191 8.50
153	3.40		196 8.50
154	5.10		197 10.20
155	6.80		198 3.40
158	2.50		199 3.40
			201 5.10
			202 8.50
			203 10.20
			204 5.10
			205 5.10
			206 6.80
			207 8.50
			208 3.40
			209 5.10
			210 6.80
			211 8.50
			214 8.50
			215 5.10
			216 6.80
			217 8.50

NOTE

Required to taken out test cells after young Bird, and after 250 Revs – Count taken from Lack of use, from Cells 1630 To 1639 –

	V	V/2	
			average of 10
	896	—	Before covering out Cells stopping up 4 Holes
8th Rev	2289	3516	
15th "	2540	3796	
16 "	3047	4658	These are Req SBAH Trans
17	3327	4709	
18	2936	4431	

Tour 74 — X split

			50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
1164	24	Bi-2Lb Double T	1382	1331	1424	1498X	1398X	1341X	1277 74									
719	24	Bi 2Lb Single T	1488	1418	1363	1374	—	1350	1256 74									
719	24	Rig Flake Single T	1197	1132	1179	1207	1121	1246	1103									
719	36	Bi 2Lb Single T	1495	1492	1447	1483	1379	1358	1123 74									
719	36	15% Single T	1193	1282	1295	1275	1138	1164	1174 –									
719	48	Bi Single T	1478	1431	1484	1468	1336	1256	1066									
719	48	15% Single T	1254	1304	1308	1322	1240	1151	1115									
717	48	15% " "	1312	1220	1357	1295	1280	1172	1153									
854	36	15% " "	1495	1437	1448	1432	1347	1318	1212									
854	36	Bi 2Lb " "	1484	1418	1368	1416	1371	(1471 74)	1378									
854	24	Bi 2Lb " "	1481	1402	1331	1401	1328	(1339 74)	1301									
854	48	Bi 2Lb " "	1502	1335	1268	1240	1165	(1175 74)	1176									
854	24	15% Bi Plug 2T	1319	1356	1283	1321	1334	1362	1388									
854	24	15% - 5 Lb cut 5T	1267	1317	1271	1242	1248	(1401 74)										
1164	48	15% Single T and	1316	1443	1406	1377	(1446)											
1164	36	15% "	1331	1379	1323	1270												
1164	48	15% "	1380	1487	1400	1400												
1164	60	15% "	1248	1382	1364	1342												
1164	70	15% "	1295	1361	—	1288												
1164	36	Bi 2Lb Single T	1361	1389	1381	1440.9												
1164	48	Bi 2Lb " "	1515	1556	1505	1469.9												
1164	24	10% Double T	1250	1264	1223	1244	1210	1234	1286	1187	(1288)							

NOTE

A 4 398 Jutzo loaded oldstyle mixture
731 Ni(OH)2 1A+2A Plates 962 Ah
Original Electrolyte 21K 120 Li OH.
Oxidized Plate

Run	I V	V/2	
5	189	203.7	
22	208	221.5	
53	216.5	—	
101	217.5	—	
141	222	242.5	
194	205	227.5	
247	185	204.5	new Sol 30 Lioh Licl
253	199.2	215.5	
285	188	210.5	
309	180.7	202.7	
361	171.5	191	
415	175.5	193	new Sol 11.2 "
422	176	195.7	
475	170	191.0	
528	175.7	196.2	
580	172.2	190.5	
635	159.5	173	

Normal

Run	I V	
7	172.7	
26	182.7	
35	182.0	
49	183.5	
89	183.	
107	186.5	
135	184.5	← not tested for efficiency between 135-4 250
250	165.5	new Sol 30 Lioh Licl
257	178.5	
288	165	
312	158	
364	150	
419	151.7	new Sol
425	153.2	
479	152	
532	153	
585	149.5	
640	135.7	

A4 — 2310 2311 2312 2313

RA 892 – H2 2 min / — Soft originally 21K 100 gm Lioth. in all. Celite

2311-12-13 have soft removed every 50 Runs till Soft trying out in each as noted before 2318 run Reg changing to soft Barley after 225 Runs.

	2310		2311		2312		2313		
Run	1V	1/2	1V	1/2	1V	1/2	1V	1/2	
5	176	192.5	177	191	176	187.2	176.7	189.0	
20	191.5	204.0	191.5	209.5	190	204	188.5	201.0	
35	185	201.7	187.2	211	185.5	205.7	187.2	203.0	
50	182.7	202	186.5	212.5	187.5	207.2	185.7	205	
66	185	203	191.5	216.0	191.5	212	188.5	205	
	Removed 2310 no change			2311 21K no 21		2312 21K 11.2 Lbs		2313 22.5 Lbs	
73	186.5	205	200	222.5	200	220	195.5	215	
125	179	197	183.5	202.5	187	208.5	183.5	208.5	
	Changed 2311-12-13 Same as above								
131	175	195	188	205	193	216.5	188	216.5	
185	175	194	180	196	190	210	185	210	
	Changed 2311-12-13 Same as above								
191	170	195	182	199.5	188.5	216.7	187.2	219.2	
244	175.5	195.5	188	202.5	194	215.5	192.5	229	
	changed 2310-11-12		2311 Straight 2312		11.2	2313, 22.5			
249	188.7	210	192.2	204	204	222.5	186.5	229	
302	188.5	206	183.7	203.2	189.7	213.5	190.5	231.2	
	Switched		21K Street		21K 11.2 Lbs		21K 22.5 Lbs		
310	188.5	207	187.2	203	193	215	192.2	234	
363	182.5	203	184.5	202	191.5	215.2	196	230	
372	180	204.2	Street no Lioth. 189	206.5	11.2 gm Lbs 194.5	219.5	22.5 gm Lbs 195.5	233.2	

Normal —

Run	2310 1V	2311 1V	2312 1V	2313 1V	
7	162.5	162.5	162.5	162.5	
38	165.5	165.5	165.5	165.5	
70	163.5	163.5	163.5	163.5	Removed on a/c Cat.
77	161.5	170	170	170	
129	152.5	160	162.2	162	"
136	153.2	161.2	166.7	166.7	
188	149	157	163	163	"
194	150	159.5	163.5	164.7	
247	149.2	156.5	163.5	166	
253	160	160	167.5	166.7	changed Lioth
305	162.5	155	164.5	168.2	
314	162.2	155	168.5	168.2	"
365	161	157	165	175	
376	156.5	155	166	172	removed

A 8 = 267 & 270 (new)
Cells of neg. pole section of week ending Mch 28 1910
NiOH2 1193 & L35 Fe 1291 21K 90 gm Li hydrate A4 cell

Run	267 1 V	267 ½	270 1 V	270 ½
1	438.5	456.5	445	467
2	309	316.5	312.5	322
4	346.8	365.3	346.8	367.8
6	348	368	350	369.5
34	398.5	424	405	433

Average lot of A 8 25.1

Run 1 48 hours at 30 dis 6.0
" 2 10 hours 60 14 hours 30
" 4 15 " 60

Cells nearly square 4 7/8 x 5 1/2
Holds 2700 cc of Solution just twice as much as A4.

Normal

Run	267	270
10	327	331
35	337	340

A4 — 3784 – 3785 3786 3784 - 90 Lights
1164 green 48 mily Dumps flecks L11. 3785 - 109
3786 - 110

Run	3784 I V	3784 V/2	3785 I V	3785 V/2	3786 I V	3786 V/2	
4	163	159	160.2	167.7	158.7	167.5	
19	176	181.2	179	186	181.2	192.5	
34	183	187.5	188.7	193.2	197	205.7	
49	185	186.5	187	192.5	191.5	203	
64	185	190	191.5	196.2	195	202.5	
117	176.5	181.5	183.5	187.5	190.5	197.7	
170	172	180	176	185.2	190.7	200.6	
223	145	158	164.7	181.2	186.5	199	Changed Sept 11.2
231	166	171.5	172	178.5	186.7	197.2	
284	171.7	175.5	180	184.2	191.5	201	

Normal -

Run	3784	3785	3786	
7	146.5	151	151.2	
23	160	166	167	
38	155	156	168	
53	154.5	161.5	168.5	
67	160.7	166.5	169.5	
121	148.7	155.2	164	
174	143.2	146.7	164	
226	128	140	160	Safety
235	153.5	157.5	165	
289	144	154	163.7	

A4 4711 4712 4713 Regeath oct 1909

1½ mm plate Single Temp 27 July 11 Electrolyte 21KT

80 Li 90 Li 100 Li

	4711		4712		4713	
Run	IV	½	IV	½ V	IV	½ V
4	169.2	169	170.7	178.5	168.5	173.2
19	176.5	182.2	184	192	177	185.5
34	175	180.5	183.5	191.5	176	185
49	181.5	187.5	190.5	199.5	184	194.5
64	176.5	184.2	184	194.5	181.2	194
117	183	197.7	185	196.7	180	187
178	181.7	190	180	193.5	187	201.7
223	173.5	185	174.7	192.5	180	202
231	182	193	187	201.2	190	209.5

Run	4711 IV	4712 IV	4713 IV
8	151.5	157.5	156.5
23	157.7	166.2	162.5
38	157	163	159
53	160	166	161
68	159	163.2	163
120	162	162	156.5
174	44.7	155	158.5
227	155	157	160
236	161	163.7	166.2

4711 was cut open to ascertain the cause of behaviour found spring washer on iron plate connecting rod broken in 2 pieces leaving plates loose + sunken bad contact Cell repaired + Recanned

A4 3011 3012 3013

Before cells assembled Fe₂ treated as follows
3012 "Fe cht H at 130 7 abs" but reversed acid
3013 " "
3011 as Regular having same mixes as above

Run	3011 ½V	½	3012 ½V	½	3013 ½V	½	
	1 V		1 V		1 V		
4	165	172	157	172 5	163	178·2	Cells had
18	185	190·5	184	194·7	186	198·7	very poor
34	178	185	178	187	183	195·5	flake.
50	182	188·5	182·5	190	191·5	202·2	
65	180	187·7	180	190	188·7	201·5	
118	182·5	192·5	182	194	190	203·5	
171	183·2	196·5	1815	194·7	1882	203	
224	184·2	198·2	181·5	191	184·2	201·7	changed Sol.
231	1885	201·5	185·5	199·5	191·	206·5	
283	184	200	1827	199·5	184	204	

Normal 3011 – 3012 3013

Run	3011 1 V	3012 1 V	3013 1 V	
7	1557	151·5	156	
24	160	162·5	165	
38	158·5	160	164·5	
53	160	161·5	168·5	
69	160	160	167·5	
122	160	159	165	
175	159·5	158·5	163	
228	1587	156·5	158	changed Sol.
235	159·7	157·5	160·7	
288	162	161·5	163·5	

A4- 478 479 480

These cells found made of new loaded litres

N(CH)2 739- Flake 28 KN + 203 BN

478 21K 90 Li

479 " 105

480 120

	478		479		480		
Run	1V	½V	1V	½V	1V	½V	
5	178·5	190	173·5	191	178·5	196·0	
27	204·3	209·7	200	215	201·5	220·0	
47	200·5	209·2	200	217·7	202·5	221	
67	203·5	214	205	224·0	206·2	228·0	
96	198	212·7	193·5	222	189	221·0	
122	202·0	215·5	200	228	200	232·2	
176	188·5	203·2	184	206·5	179	211·0	
							22.5
251	194·2	220	181·7	209	180	210	New Solution 22.5 per litres
258	205	226·0	193·2	216·5	193·5	219	
311	188	219·5	178	205	175	198·5	
364	180	222	172·5	205	175	200	
416	192	228	181·5	209	178·2	200	
470	190	227	172	207	172·2	199·5	new Sol 21K 11·2 Li/L
479	195	233·5	179	216·2	179	206·5	
477	198	229	193·5	220	189	211·2	
531	191·5	219·5	182	210·5	180	202	
584	190	219	174·5	205	173·5	197·2	
646	178·5	201·5	162·	183·5	158·7	178·7	

Normal

	478	479	480	
Run	1V	1V	1V	
180	168·2	165	167·0	
255	165	154·2	154	
262	177	170·7	172·2	new Solution 22.5 Litres
315	169	157	155·5	
368	164·2	154	155·0	
421	172	161	159·5	
474	165	153	152	new Sol 21K 11·2 Li per Litre
481	168	162·5	160·	
534	160·5	156·7	155·7	
589	163·5	154	154	

A4- Cell 4 — Indeed in this cell apparently knocked by Arcaloy in machine fitted with Ceramtec bottom hopper + Vane stirrer 987 Ra- Flake 230 B4X 4.2- 27.4 21K 100 Li OH

4

Rem	I V	V/2
4	184.7	191.5
19	187	195
30	192.0	202.5
49	184	197
63	178.7	194.7
117	177.5	191.5
170	177.2	190
224	167	181.5
234	182.5	198.5

changed Seal

Normal

Rem	I V
8	168.5
21	168
38	168.5
53	162.2
68	160
121	157.
174	154
229	153
239	158.5

changed Seal

A4 376 • Cell been running in Phono Truck 731 N: 1a + 2a flow 953-954 Fe old loaded litres 21K 120 Li Off.

Run	1V	½V	
4	172.5	—	
13	202	—	changed Sol put in straight KOH
17	203.5	—	Oiled 4 weeks then assembled in Tray with 5 others
20	196	—	Run in Truck 12 weeks 72 runs 3 mg
96	187	191	Run in Truck 1 year Total 7605 miles to date May 17 1910
399	177.5	182.5	Solution weak-will change
			Changed Sol 21K 11.2 g Litre Li OH
407	191.5	199.5	

Normal All A Cells with lower number than 476 had oxidized flake.

	1V	
404	160	changed Sol.
412	167.5	

A4— 231 232- cells been running Phono Truck
728 N.Off. 24 floats 952 72 old Loaded.
Cells originally run in 21K 11.2 grms/cells 3 rings then saturated LiOH put in no Koh. 1st 28 Runs Below made with Saturated LiOH.
oxidized flake

	231		232		
Run	1 V	½	1 V	½	
1	111.5	160	146	161.5	
6	169	174.7	171.7	178.5	
14	184.5	188.7	187.7	193	
22	189	194	193.	200.2	
28	188.5	193.7	193.5	201.0	Changed Sol to 21K Straight
32	197	201.5	204.5	210.7	" again 21K "
36	205.7	209	212.5	218.5	
41	203	208.5	208.5	215	Used in Truck 12 weeks 1000 Mile
117	192.7	198	194	202	" 1 yr about 7605 "
420	170	181.5	163.5	181	Sol now weeks will change
428	189.5	199.5	191	202.5	Sol not changed 21K 11.2 gr/1 Li

Monical

Run	231 1 V	232 1 V	
425	156.2	153.7	Changed Sol.
433	165	167	

Fz Cells 1668 1679

Bad Fz from Tube sundry cells which went bad - see sheet

To determine influence of complete discharge upon the low discharge rate of a Leclanché Cell each cell 10th week was completely discharged through 4 ohms and left on open circuit 24 hours

		1	2	3	4	5	
1668	Taken off	395	600	785	875	900	
1669	discharged	620	690	835	945	985	
1670		495	640	780	870	965	
1671	1 V = 1 Ω	755	870	995	1060	1200	
		541	700	849	982	1012	average
1672	Taken off	600	1145	1510	1610	1775	
1673	discharged	700	1480	1680	1765	1855	
1674	.8 V = 1 Ω	465	925	1200	1370	1580	
1675		900	1395	1645	1695	1800	
		716	1236	1509	1610	1752	average
1676	Taken off at	860	1895	2120	2100	2070	
1677		1000	1675	1980	1840	1870	
1678	.5 V = 1 Ω	840	1680	2065	2025	2060	
1679		1165	2000	2260	2150	2085	
		966	1812	2106	2029	2021	average

Bad Fz from Test Cells -

8 grms Req SB "Fz

1765-6-7	discharged at 500 ma rate 3 hours run Req			1680
1768-9-70	" 1000 "	"		1570
1771-2-3	" 1500 "	"		1548
1774-5-6	" 2000 "	"		1395.

Shows low rate is best, Holland to try lower rates

Something wrong don't check up

Used 1164 green - 3½ LB lamp

Dumped 24 green made 1 Tamp - Weight gm 7.495
335 Dumps

" 48 " 197 " " 7.380

60 " 158 " 7.305

96 80 " 7.085

Dup of above but 2 lamps after dumping

24 339 7.603

48 168 7 537

60 142 7 502

96 83 7 371

24 1 T 7495 105
.24 2 T 7603

48 1 T 7380 157
48 2 T 7537

60 1 T 7305 197
60 2 T 7502

96 1 T 7085 288
96 2 T 7371

A-4 Cells 10485
10486 Continuous
10485 "
Chg 24 hours 130 7th v Receptors

10486
95 7th
a week were treated before assembly
24 hours at 130 7th
all cells negative after treatment

21 Oct 87 Lioth

Run	10485 1 V	10485 ½ V	10486 1 V	10486 ½ V
3	184	188	177	184.5
17	192.5	197.5	200	207

Hutchinson

Normal

Run	½ V	1 V
8	172.5	164.5
20	168.7	175.5
36	170	175.

A4 – 1576 1577 Special Exput

	1576		1577		
Run	1 V	V2	1 V	V2	
5	175.2	195.7	175.2	192.5	Cell 37 1576 chg'd Reg galvanost stood 6 months Charged then discha without further charge
19	198	219	191	208	
36	201.5	217.5	195	209.7	Cell 1577 was allowed to stand 6 months after discharged + then charged + discha regularly
37	3.7	89.7	191.7	213	
38	172.5	204.5	188.5	201.5	
39	190	204.5	187.5	200	
gave	is endurance 7		ons		
52	199	214	193	202.2	
53	196.2	210	187	197.5	
54	191.2	209	187.5	198.5	

Normal

Run	1576	15:17	
58	170	165	Prolonged inaction appears to be a little harmful, + in about the same degree charged or discharged

A 4 cell - 10487 Rods of Bismuth in contact with Nickel plate 21K 87 L104.

10487

Run	1 V	½ V
3	178	1830
17	192	198
32	190	197

Name if further on

Normal.

10487

Run	V
8	161.5
20	169
36	170

Experiment of leaving $Ni(OH)_2$ exposed to air in galvanometer room for 1 month —

854 Ni.OH. 1123 f- 4.2 23.8 1 mm

First day 266 Δ 265 Δ — 7352, 7363 } 7357

Third day 258 Δ 255 Δ — 7482, 7474 — 7478 — 121 mfg/gram

Date	Time on Road Hr	Min	Actual Run Time Hour	Min	Miles Covered	Recording Watt Hours	Watt hours Consumption at Brake per ton Mile	Watt hours Consumption at Motor	Recording ampere hours	Number of Trips	Schedule Time on run M P H	Actual Running Time M P H
3/2	9	55	7	22	52.47	35065	1109.70	688 00	993	11	5.29	7.12
3/3	8	38	8	32	47.7	31050	1050.00	651 00	1	10	5.53	5.6
3/4	9	50	9	35	54.5	31425	930 60	577 00	1	11.5	5.55	5.69
3/5	7	59	7	23	4293	26325	985 40	611 00	1	9	5.39	5.82
3/6	11	8	10	48	62	32700	853.20	529.00	1	13	5.57	5.74

35 Steps per trip 7.4 steps per mile

Trip 3/6 = 75.7 watts per ton mile Car about 7 tons including regular number of passengers

200 cells A4 =

A4 Loaded 4pcl heavy hydrazine 1129 dry wt of.
Dumps 15594 24 mg f X32 72 1303
593 36 "
595 48 "
21K 87g 1.044 per A4

Run	15593	½	15594	½	15595	½
19	182.5	192.2	179	188	182.2	192

	15593	15594	15595
9	170	168	168

A 4 – 390 – Trip Phono Trunk 731 m 1A+2Af 96272
old loaded original Sol. 21K 60 grms 1 Ott
45 g per litre — Oxidized flake

Run	h	m	
1	167.5	168.5	charged Sol removed fresh with 21K – 45 grms 1 Ott per litre
2	180.5	183	fresh 21K + 45 g/1 oth per litre engine
3	180.7	186.7	
4	172.5	178.2	
5	176.2	181.7	
6	185	189	Previously Sol
7	179	183	Put in fresh 21K 45 grms 1 per litre engine
8	182.5	189.7	
9	187	190.5	
12	199.5	207	had 6 overslips
19	207.5	218.5	Run – break 12 weeks 72 runs 1000 miles
95	210.5	224.5	" " 1 yr 300 " 7605 "
398	191.7	204	Changed Sol 21K 11.2 Cloth Litre
405	195	210	

Run	I V	
402	176.7	Changed Sol –
409	178	?

A 4 380 Cell been running Plume Trunk has 731 Mi
1 a w 2 a f 962 72 — only electrolyte 21K 120 Lott.
old boards 200 cells Oxidized flakes

Runs	1 V	½	
1	172	174	allowed stand charged 48 h
2	178	188	" "
3	193	194.2	" " 4 days
4	184	196.7	
5	180	189	Had 4 Reg overcharg runs
10	195.7	204	" 8 "
19	207.6	214	Cell run in Inside 12 weeks (72 runs) 1000 miles
96	201.8	205.7	" " 1 year 7605 miles 310 Runs
398	189.5	196.6	Changed SOP 21K 11.2 g/litre d. 0.61.
402	193.5	208.5	

Normal -

7 hrs at 30—

Runs		
402	172	note very high efficiency
409	173	changed boards

A4 — 387 — Rumm Thora Truck 731 Ni 1 an 2 a flate
Original Sat 21K 120 Litt. old hands
Oxidized Plates

Run	1'	.5	
1	discharged 120 amp hours only		rallowed to stand 24 hr
2	220	244	
3	182.5	196	
4	185	197.5	stood 24 hours overnight
5	190	202.5	
6	191.2	202	
7	195	206.5	
8	200	209	Had 6 more overnight test
15	212.5	228	Cellon wet truck 12 weeks 72 runs 1000 mile
91	205	209	" " 1 yr 300 " 7605 "
394	188.5	198	Changed Sat 21K 11.2 g Litre Litt.
401	193.5	203	

Normal-

398	170	Changed Sat
405	172.5	

A4 2317 Lithium administered gradually by Chromogen solution
RA 892 + Stroke #2 (Shock 2 min) original Sol 21K 22.5 1.104 per Litre

Run	1 V	½
1	200	215
2	167.5	170.7
3	162.5	168
4	170	180
5	176	186.7
6	184.2	195
7	182.7	191.7
22	188	195
37	178	188.5
52	184	198.5
87	181.5	189.2
121	180	193
174	181.5	196
227	171.5	189.2
285	188	200
291	182.5	198.5
345	163	185

put on fresh Solution same as original
" " " "
" " Normal water "
" " " "
Reg chg rates rather 15h at 30
Changed Sol to K21 1.12 gm Li per litre

Normal

Run	1 V
10	165
24	161.5
39	156
56	158.2
70	154.5
125	154.5
178	154.2
232	145.5
237	157
296	150
390	142.5

Changed Sol

A4 – 482 739 MiOH 28 Xn + 203 Bn flasks
990 Hz were loaded had 8% KOH + 120 cl for 3 Runs
at about after cubical 25% K put in

Run	1V	.5V	
6	167.8	185.2	
26	193.2	207.5	
45	199.2	214.7	
64	198.2	214.7	
92	200.7	219	
120	204	223.5	
173	197	218.0	
231	187	216.7	
			put in 21K + 22 gm Li per Liter
395	186.2	231	gave several high rate runs + one reverse
			treatment to improve voltage of the Hz
418	193	216.5	
461	192	223	changed Sol put in 21K 11.2 Li per Liter
467	197	228.2	
521	193.5	220.0	
578	181	215.7	

Normal

178	167.2	
234	161.5	chgd Sol to 21K 22.5 gm Liter
241	165	
293	164.5	
348	167	
401	168.7	
465	163.7	changed Sol to 21K 11.2 Li per Liter
472	168.7	
525	167.5	
582	160	

A4- 1575- Single Tamp loading
21 K. 100 gm. oil

Run	Chg	Dis	Amp 1 V	½ V
5	15 to 30	30	174	191.2
19	"	"	195.2	209.5
34	"	"	202.5	218.5
49	"	"	200	222.5
65	"	"	208	235
121	"	"	207	241
174	"	"	198	236
227	"	"	200.5	233
	Fresh Sol.		in 21K 11.2 gm. oil	
233	"	"	206	236
287			199	229
340			185	204.0
395			181.2	198.5

1575 Normal

Run	Chg	dis	1 Volt
8	Thumb	30	163.7
22	"	"	169.5
53	"	"	175.5
69	"	"	177
125	"	"	174.5
176	"	"	173.2
230	"	"	167
	Fresh Sol.	21 K 11.2 gm. oil	
237	"	"	175
291			170
344			160
399			150

Curley heavy loading ß-poor stuff

A4=3408 + 3549

Contain gamma n-flux 3408 tube attack not reperforated

3549 Regular 21K 100 gpm 4.0H.

Run	Chg/5 act/30	Dis 30	3408 1V	3408 ½V	3549 1V	3549 ½	
4	"	"	146.7	156.5	155	158.7	
19	"	"	167.5	179.5	173.5	188	
34	"	"	166	175.5	178	188	
49	"	"	165	176.7	174	186.2	
64	"	"	169.7	179.5	178.7	188.5	
117	"	"	167	175.2	176.5	185.5	
171			145	164.7	172.5	180.5	
225			106.5	146.5	156.2	180.7	Chg/Sat 11.2
232			177.5	187.5	185	196.7	
285			165	175.7	176.7	190.7	

Normal

Chg 7 H 30 dis 30

Run	3408 1V	3549 1V
7	141.7	150
23	149	155
38	150	158.7
53	147.5	159
69	144	155
121	136	155
175	115	149
229	89	129.5
235	145.5	160.
289	128.5	150.0

Loving change

B1 B2 B3 Bismuth flake 2.26 Pot 24 mlg green-50 green
21K 100 GH-
Chg 15H 30 dis 30

Run	B1 IV	B1 ½ V	B2 IV	B2 ½ V	B3 I.V.	B3 ½ V
5	215	235.5	215	233.7	215	233
21	221	242.2	220	236	220	238
35	225	241.2	217	224.2	217	228
51	227.5	250.5	218.7	225	226	226.5
66	222.5	245	213.7	220	213.5	221.2
119	216.2	236.7	210	219	211.5	221.5
175	217.2	230.5	203.5	213.2	206	216.7
228	200	217.2	187.5	200	192	205
	new sol 21K		112 gms 40H			
236	202.5	221	196	207.5	197	212.5
290	204	217.5	200.7	212	196	209
343	1	X	190	203.5	189	202
396			182.5	197.5	180	194.7
	361 194	210.5				

X B1 hung used after 342 Run for temperature tests.

See note in Nuclear book

B1 B2 B3 Normal 7 hours 30 dis 30

Run	B1	B2	B3
9	176	176	176
24	180	177	177.5
42	179.7	173	179.7
70	180	172.5	175
123	175	165	169.5
179	177.2	162.2	162.5
233	168.7	157.5	160
	new solution		
240	167.2	160	160
294	165	165	159
346	—	162	160
400		153	151.5
	365 160		

A4 5,5 contain Fe plates which run 7605 miles in Phono Truck 7a Mk 962 covers Nos 1179 – 1183 Mon. a L 55 Plate 21K 87 gr 2 Off per A4 –

Run	V	Yz
4	180·7	185
20	1935	199·5

S 5 was machined for another coil a put on Endurance Coolium a given 2 Endurance Runs before Reg run No 1

Run	V
9	165
215	165·7

15H at 30 dur 30

Rum 5

Rum 19

Rum 34

R

	Ao	4V	½		
A4 = 1570	1575	174	191.2	1952	2095
Simple Ramp Recording					
21K + 100 gm 21 Off.					

2020.5	2185	

A4- 404- old Loading 21K 120 Light. 15H 30 Dis 30 Oxidized flake

Run	1V	½V
3	167.5	190
17	192	213.2
30	199.7	—
43	205	—
57	205	226.5
85	210	235
114	205	227
176	188.2	201.7
232	172.5	200

Fresh Electrolyte 21 KOH ——

239	182	199
292	154	201.5
345	172.2	195

gauze 18 neg overchg pulling fresh 21K in after each 2 or 3 tests

372	185.5	204
425	185.5	206
478	181.7	199
530	179.5	200.5
585	165.2	187

A 4 404 Normal 7H at 30 dis 30

Run	1.V
8	160
21	172
34	174.5
47	177
179	163
236	150

Put in new 21 KOH ——

242	157.7
295	157
349	150.7

gauze 18 neg overchgs with fresh K 21 - Each 2 tests q changes sol

377	152
429	151.3
483	152.7
535	151.
590	138.5

sol not renewed as last change was made on 367th Run

Old Loaded A4 Cells

466 – Electrolyte 21K120Li' — outside diagonal cells nine inch thread

467 21K100Li'

468 8%KI 120Li for 3 runs then 25/KOH.– Oxidised Flake

Run	466		467		465	
	1V	½V	1V	½V	1V	½V
5	165	196·7	178	191·5	171	183
16	196	218·7	183·5	204·5	192·5	204
29	206·7	219·2	203·5	208	202·5	212·5
42	211·2	222	206	214	201·5	208·5
56	212·5	227·5	208·5	214·5	203·5	211
85	201·7	217·2	199·5	209·5	191·2	206
114	205·2	221·5	205·2	217	207·7	214·2
167	187·5	200	190·5	200·2	193·5	200
223	181·2	197·2	187·5	201·7	192·5	205
	Put in fresh KOH 21 11·2 grms Li per Litre					
230	187·2	201·2	191·2	201·5	198·5	203
283	185	202	194	209	201·5	215
336	185	199·5	195	212	205	220
390	177·2	192·2	183·5	203·5	195	213·5
443	173	190	182	200	190	214
	Put in fresh KOH 21 11·2 grms per Litre					
450	181·5	197·5	192·5	210	198	216·5
501	188·5	202·2	197·5	217·7	206·5	225
556	178	195	185·5	209·2	195	219·5
610	173·5	191·5	183·	206·5	193·2	218·5

A 4 old loaded

Run	1V 466	467	468	
8	162·5	162·5	161·5	
20	175	172	170	
35	178·2	174·5	171·2	
45	181	177·5	176	
170	162·5	164·5	168·7	
227	158	160·7	161·5	new Electrolyte
233	169	172	169·5	
287	165	167	168·5	
340	161	166·5	170	
394	155	160	166·7	
447	152	160	166	
453	156·5	164	170·5	new Electrolyte
507	161·2	169	174·2	
562	156·5	162·5	169·5	
614	152	156·7	164	

A4 – 10487

Cell having Bismuth Rods contact with Nickel plate – 21K 87 grms LiOH.

Run	1 V	½ V	
1	205	215	45 h set 15
2	178.7	183.5	10 h 20 + 14h 15
3	178	183.5	"
4	186.5	192	15h 20 -
15	191.5	197.5	
32	190	197	
48	190	199.7	
67	191.5	198	
120	187	200.5	

A4 – 10487 Normal

Run	1 V
5	143
8	161.5
19	166
28	169
36	178
51	168.5
71	165
124	160

A4 – 10485 – 9.5 gm Iz pockets not treated
10486 – 9.5 " Treated 6 chg 24 hours
Then Reverac 24 hours both at 130° Fahr – 21K87 gms 1.884.
Same Reg Tubes both cells

	10485		10486	
Run	1 V	½ V	1 V	½
4	188.7	192.2	182.7	193.2
17	192.5	197.5	200	207
48	191	199.5	199.5	207
67	193	199	197	206
120	191	202.5	193	206.5

A4 10485
10486 Normal

	10485		10486	
Run				
8	162.5	169.5	164.5	177
20	168.7	174.5	175.5	183.5
51	165.7	+	173.5	—
71	165	—	167	—
124	163.5		165	

A 4- 488 21K 120 grms LiOH → one of the first new Loaded cells. S

Run	IV	½
5	168.5	187.0
19	190	195.0
26	196.5	212
67	195.5	219
129	185	199.7
182	165	198
235	168.7	202.4
242	174	197.5
295	175	203.5
349	169	196
402	170	195
455	169.2	199.0
462	170	203.5
516	165	192
568	164.2	188.7

new electrolyte 11.2 Li per Liter 21

changed to 21K 11.2 g per liter LiOH

488 Normal

Run	V
406	150.
459	150
466	159.3
522	145
572	142.2

new SoP

checked by making to ½ V

1/2 packets removed from tube cells colour head run 250
Time Hot a 1/2 got 6 and —

	Dis 300 Mm1	2 IV	2 V/2 V	3 IV	3 V/2	Rtg 75 IV	Rtg 75 V/2	6th IV	6th V/2	6th IV	Dec 300 7th V/2	7th IV	8th V/2	8th IV	9th V/2	9th IV	Dis
1630	815	965	2540	1600	2120	1062	2335	1287	2562	1350	2612	2315	3675	2330	3650	2370	3680	1315
1631	725	745	2100	1620	2695	1150	2100	1387	2412	1475	2423	2130	3245	2170	3255	2190	3245	1165
1632	1090	1210	2585	1950	3215	1300	2400	1500	2612	1600	2700	2385	3690	2420	3685	2450	3680	1230
1633	1265	1350	2725	2285	3520	1625	2750	1900	2987	1950	3087	2560	4020	2695	4170	2635	4070	1435
1634	835	975	2300	1700	2955	1062	2137	1250	2387	1300	2437	2110	3285	2165	3345	2140	3325	1195
1635	1230	1360	2790	2275	3545	1562	2737	1787	2975	1887	3050	2500	3875	2975	3990	2470	3801	1335
1636	900	1040	2650	1685	3200	1025	2317	1250	2537	1350	2625	2380	3785	2365	3695	2400	3736	1335
1637	700	750	2025	1430	2500	1000	1925	1162	2012	1250	2137	1975	2960	1995	2960	1990	3053	1065
1638	700	740	1820	1470	2465	1050	1937	1250	2175	1287	2187	1955	2980	1995	3030	1990	3055	1065
1639	700	740	1730	1540	2475	1150	2050	1362	2262	1400	2337	2030	3190	2165	3325	2185	3320	1178

A4 – 551 + 568 – new zonzed Cells contain 2% OH of different Numbers but are identical in other respects. Electrolyte 8%/K 120 cloth for 3 Runs then changed to 25% KOH. Oxidized flake

	551		568		
Run	1 V	½ V	1 V	½ V	
6	168.7	187.5	173.2	189.2	
27	192.5	210	198	210.5	
42	193	208	189.2	203.5	
65	197	208.7	192.5	204	
99	202	218.5	194	207	
122	199.2	215.7	192	203.5	
177	200	224	190	209	
230	197	221	190	207	fresh solution 21K 112 g/Li+ 0
236	205	231.5	200.5	215	
290	204.5	229.5	199	215	
343	200	229.5	191	212.5	
396	199.2	228	195	216	
448	188.5	216.5	185	208.7	
457	195	225	190	216.5	
509	194	221.2	192	215.5	

551 + 568

Normal

Run	551 1 V	568 1 V	
9	161	163.5	
46	171	167.7	
70	174.5	165.5	
101	171.5	165.5	
127	171	166.2	
180	170	162	
234	165	155.2	fresh Electrolyte
240	175.7	169	
294	171.2	165.7	
346	167.5	162.	
399	168.2	164.7	
452	159.5	162.5	
463	165	160.7	
513	161	158	

A4 — 2314 2315 2316

Run single Temp Pond — 2314 city 74° dn 74
Calibrate city temp during 2nd + 4th run — 2315 " 120 " 130
2316 " 74 " 130

	2314		2315		2316		
Run	1 V	½ V	1 V	½ V	1 V	½ V	
6	180	190.2	165	185	169	196	
21	192.5	203	184	198	188.5	199.2	
34	190	205	185	203.5	187.5	203.5	
50	188.5	212.2	188.5	214	187.5	206.5	
65	189	206.7	189.5	208	189	198.5	
118	186	204.5	188	208.5	185	199.0	
172	183.7	203.2	189	211	182.5	194.5	
225	176	200	185	208.2	180.5	199.7	new Electrolyte 11:2
233	198.5	220	198.5	220	195	210.2	
286	193.5	211.5	195	214.7	194.5	211.2	
340	183.5	207.7	188.5	211.7	188.7	207	
395	169.2	191.7	172.7	196	172.5	195	

2314
2315
2316 Normal

Run	2314 1 V	2315 1 V	2316 1 V	
10	162.5	153	160	
24	169	163.5	165.5	
38	165	164	161	bad test
54	170	170.5	165	
68	167.7	167.7	162	
122	161.5	164.5	160	
176	157.2	160	156.9	
230	152.7	159.5	152.7	new Electrolyte 11:2 Li dilute
237	166.5	170	164	
290	164	165.7	160	
344	159	163.5	162	
398	147.5	151	150	

A4 — 2752 2753 2754 Tube plates counter in all

2752 has 9.5 grm Fe
2753 " 10 "
2754 " 8.5 "

21K 100 diff spaced

	2752		2753		2754		
Run	1V	1/2	1V	1/2	1V	1/2 V	
4	168.5	177.5	160	170	167	181.5	
19	178.5	190	176.5	188.5	180	195	
34	188.7	198.5	188.7	197	191	204	
50	177.5	188	175.5	185	183	196	
66	180	187.5	178	185	186.5	196.5	
124	169.5	180	167	178	181.5	193	
180	145.7	168	153.3	169	180.5	193	
233	73.5	115.5	131.7	156.5	175	190	changed 5 of 21 in 2754
246	180	190.3	180	188.3	191.5	203.7	
291	177.5	185.5	177.5	185.7	190.7	203.2	
346	167	175	172	181	188.7	205	

Normal.

Run	2752 1V	2753 1V	2754 1V	
7	153.7	155	156.7	2754 taken from Rig production of last Sept. bad Curley heavy flask
23	158.5	157	159	
36	160.7	159.2	163.7	The other 2 cells are Rhosamn
54	153.7	151.7	160	Except 2 more hard mandrels + heavy
70	155	153.5	161.5	The outside plates in all
128	138	133.5	156.5	Cells have 8.5 grm Req Fe.
184	126.5	127.5	156	
236	61.2	109	148	Sub
243	156.5	156.7	164.2	
293	150.5	151.7	160.7	
350	147	152.5	162.5	

A4 643 646 775

Regina loaded delta double Tempo

643 - Nominal - Yeast A
646 " " a
775 " " a

21K 100 Volt

Run	643		646		775		
	1V	V2	1V	V2	1V	V2	
4	169.2	182.5	181.5	192.5	193.2	192.7	Between 256 & 279
19	188.5	194.2	196	202.5	199	204.7	Cells had access to fresh air during tests to find out if lack of oxygen in slowing fermentation
34	194.2	202.2	202.5	213.7	195.0	204.0	
49	188.5	195.7	200	209.7	189.5	197	Cap on the connecting tube would overstep but letting wort come up
65	196.7	210	205.5	218.7	201	213	
91	201.5	218.7	205	224.7	203	223.5	Same rule used for Spalt test and closely below 1V
133	201.5	216	205	222	203.0	220.0	
249	204.5	226.7	202.5	227	204.5	228.5	New Electrolyte
256	209	225.7	205	225	205	225.7	Except on overlay test on fine yeast tests -
279	200.7	217.7	192.2	213	198.2	217.2	
343	192	205			188	204.2	775 has 646 in on Regular decay down to Zero To see if will go bad -
					185.5	204	
			341				
			192.2	199.5			

643 is on Spalt Temp test or 646 is Continuous test not directly below 1 volt.

See note in Mallard's book

643-646-775

Normal

Run	643	646	775	
	1V	1V	1V	
7	162	167.5	169.5	
24	165.5	169.2	168	
39	172	174.5	169	
53	166.5	172	163.7	
73	172.7	175	171.5	
93	172	172.7	172	
107	174.2	176.5	174.2	
136	175.7	176.5	175.5	
199	173.2	173	173.7	
209	174.2	173.7	175	
232	171.2	171.2	172.5	
258	174	171.5	178	New Electrolyte 21K 112 Volts
260	180.2	175.5	176.7	Run 333
343	168		165	390
		344	162.5	
		159.5		

All Cells 10794 to 10803 Contain different amounts of 1.011. all other particulars Cells are identical

Run	50 grm 1.011				60 grm 1.011				70 grm 1.011			
	10794	10795	10796	10797	10798	10799						
19	168	168.5	170	171.7	175	177	176.5	179	183.5	186.5	182	185
34	170	174	173	176.5	180	184	181.5	184.5	189	192.7	182.7	186
52	172.5	176	176	178.5	183	186.7	187	190	192	196.3	185	190
69	171.0	174.2	171.5	176.	180	183.5	183	188.7	189.7	196	188.7	195
121	163.5	167.5	166.2	170	175.5	179.5	179	184	184.2	190.2	176.5	182

Run	80 grm 1.011				90 grm 1.011			
	10800	10801	10802	10803				
19	184.5	189	182.5	186.5	187.5	192.5	184	187
34	187.	191.5	185.	189.2	192.	197.7	182.	196
52	190.5	196.3	186.	190.5	195.	202.	195.	201
69	191.5	200.	189.5	197.	195.	204.5	197.	205.7
121	180.7	196.7	189.	196.5	192.	200.7	193.	208.7

7h at 30

* note - through a miscalculating solution were emptied into the cells 10797 + 10798 after the 24th Run these cells were refilled with 21 K + 11.2 l. per Litre.

Normal

24	144.2	146.5	151	152	157.2	159.2	163	159	163.7	166.
38	151.0	154	160.5	162.5	167	163	165.5	163.5	170.7	170.5
57	150	151	158.3	161.5	165	161	167.5	165	173	173.2
73	150	151	160	162	166	165	168.2	168.2	170.5	170.2
125	147.5	148	155	160	163.2	160	164.5	163	166.5	167.5

50
50 171
171

60 150
183

70 149

80 191.5
189.5
2)381
190.5

80 197
2)392
196

50 171 150.5

60 181.5 161

70 189 165.5

80 190.5 168.2

90 196 170.5

3255
2.196
1175

4090
2215
1745

3220
2.196
1175

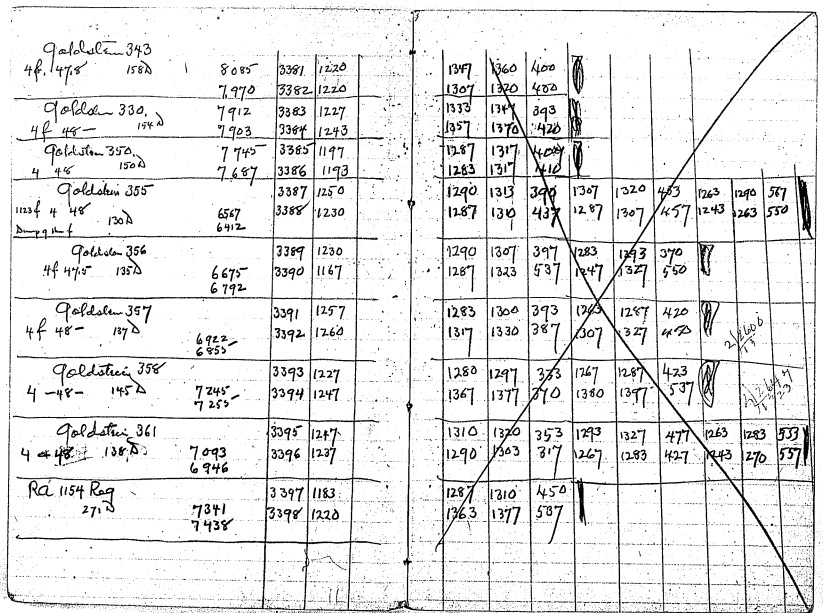
3205
2.196
1175

3905
2.196
1705

Notebook, N-11-11-05.2

38110
Acme Co.,
MFG. STATIONERS,
69 FULTON STREET,
NEW YORK.

Long tubes
Ends Closed
Reg gone up
86 Ultimate capacity
on 50 to Run above
1st Cold Test
about 1 1/2



Goldstein 343
4f. 47.8 158Δ
8085 7970
3381 3382
1220 1220

Goldstein 330.
4f 48— 154Δ
7912 7903
3383 3384
1227 1243

Goldstein 350.
4 48 150Δ
7745 7687
3385 3386
1197 1193

Goldstein 355
1123f 4 48 130Δ
Δ 7.1 4 f
6567 6412
3387 3388
1250 1230

Goldstein 356
4f 47.5 135Δ
6675 6792
3389 3390
1230 1167

Goldstein 357
4f 48— 137Δ
6922 6855
3391 3392
1257 1260

Goldstein 358
4 -48- 145Δ
7245 7255
3393 3394
1227 1247

Goldstein 361
4 ~~48~~ 138Δ
7093 6946
3395 3396
1247 1237

Ra 1154 Reg
27.
7341 7438
3397 3398
1183 1220

1347 1360 400
1307 1370 450

1333 1354 393
1357 1376 420

1287 1317 400
1283 1311 410

1290 1313 390 1307 1320 453 1263 1290 587
1287 1310 437 1287 1307 457 1243 1263 550

1290 1307 397 1283 1293 370
1287 1323 537 1247 1327 550

1283 1300 393 1283 1287 420
1317 1330 387 1307 1327 450

1280 1297 333 1267 1287 423
1367 1377 410 1380 1397 537

1310 1320 353 1293 1327 477 1263 1283 533
1290 1303 317 1267 1283 427 1243 1270 537

1287 1310 450
1363 1377 587

Ra 1155 Req 262 D	7441 7430	3399 3400	1220 1217
Ra 1156 Req 265 D	7412 7386	3401 3402	1173 1200
Ra 1157 Req 263 D	7490 7489	3403 3404	1183 1177
Ra 1158 Req 258 D	7298 7364	3405 3406	1133 1160
Ra 1159 Req 262 D	7480 7470	3407 3408	1110 1160
Ra 1160 Req 273 D	7475 7465	3409 3410	1160 1143
Ra 1161 Req 269 D	7440 7435	3411 3412	1150 1133

7/2 1154 mst 5 Ellist 30 dump 9932
Dump but 3½ mst 9448
Dump but 2 Ellist 8943
1½ Ell + 6 mstg flasks each dump 7.5 mstg Comp

4582 .5 mstg run No taken all Cast mst Mixed grain ½ mixed
4583 clean perfect

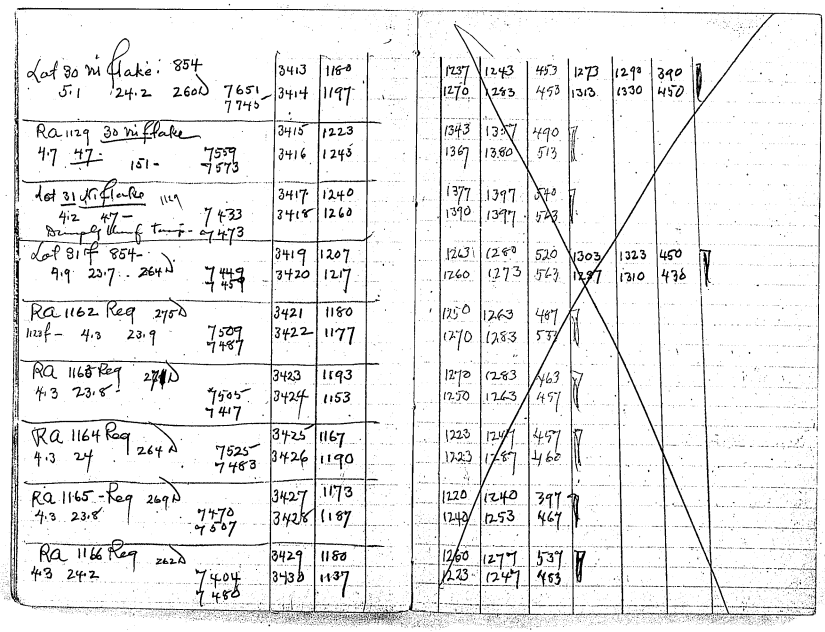
		4575	
		4576	
		4577	
		4582	
		4583	

1287	1297	440	
1287	1300	490	
1250	1263	477	
1233	1250	453	
1273	1295	460	
1340	1367	567	
1223	1243	460	
1260	1283	463	
1220	1243	497	
1266	1280	513	
1210	1243	477	
1207	1260	513	
1260	1273	563	
1220	1243	477	

50 100 lbs ½ ea
3200 lbs 3200 4280
3200 lbs 2705 4240
2730 4125
750 lbs
1497 lbs
297 lbs

4580 + EL
clyc dechance (handy w Tabor
out accord to self Cast till
cold, treatment KAK
dry + repeat 300 at,

4578-79
5 gm per pkt clyc dec
Leave Ven clyc full +
remove from Bell
Recompute quantity
at 300 dry pit block
Run Req



Lot 30 mi flake 854
5.1 24.2 260D 7651 7745
3413 1180
3414 1197

Ra 1129 30 mi flake
4.7 47 151- 7559 7573
3415 1223
3416 1245

Lot 31 mi flake 1129
4.2 47 - 7433
Dumping Ground - 7473
3417 1240
3418 1260

Lot 31 ff 854-
4.9 23.7 264D 7449 7459
3419 1207
3420 1217

RA 1162 Req 2750
1123 f - 4.3 23.9 7509 7487
3421 1180
3422 1177

RA 1168 Req 2740
4.3 23.8 7505 7417
3423 1193
3424 1153

RA 1164 Req 264D
4.3 24 7525 7483
3425 1167
3426 1190

RA 1165 - Req 269D
4.3 23.8 7470 7507
3427 1173
3428 1187

RA 1166 Req 262D
4.3 24.2 7404 7488
3429 1180
3430 1137

1237 1243 453 1273 1290 390
1270 1283 453 1313 1330 450

1343 1337 490
1367 1380 513

1377 1397 570
1390 1397 528

1263 1280 520 1303 1323 450
1260 1273 563 1297 1310 476

1250 1263 487
1270 1283 537

1270 1283 463
1250 1263 457

1223 1247 457
1223 1287 466

1220 1240 397
1240 1253 467

1260 1277 537
1233 1247 483

See Beyond

Goldstiens Numbers

			Nadh	N.504	Enzyme H.B.				
Ra 1167 Req 264D									
4.3 23.7	7372	3431	1187	100	530	690	490	177	510	690	320	182 in Goldstein Req grown under Gold'n shield
	7400	3432	1163	101	540		550	178	520		320	
				102	500	"	485	180	500	"	290	
				103	500		460	181	510	"	380	
Ra 1168 Req 269D				104	510		495	182	520		340	
4.3 23.8		3433	1133	105	520		505	183	530	"	370	
	7467	3434	1143	106	530	"	490	184	500	"	340	
	7507			107	530	"	460	185	510	"	355	
				108	500		410	186	520	"	430	
				109	510		500	187	530	"	405	
854 - 1123 f 4.3 24.2		3435	1153	110	520	"	430	192	500	"	430	
Dropped Like in Light flow drops, 2 or 3 4 dropped again dropped in not much, so not counted for Eff'n		3436	1170	111	530	"	445	193	510	"	410	
2588	7431			112	506	"	430	194	520	"	480	
	7426			113	510		445	195	530		460	
Ra 1169 Req 268D				114	500		480	212	520	"	390	
4.3 23.9	7491	3437	1133	115	510	"	475	213	530		360	
	7513	3438	1087	116	506		480	218	520	"	410	
				117	510	"	480	219	530		420	
				118	520		490	220	540	"	430	
Ra 1170 Req 262D				119	530		445	221	550	"	485	
	7418	3439	1200	120	540		425	222	530		400	
	7463	3440	1190	121	510		485	223	530	"	365	
				122	540	"	480	224	540	"	415	
				123	550		390	225	520	"	460	
Ra 1141 Milk conveyed at Bulley wks				124	520		520	226	530		470	
Sample from Bulley 1123 f 4.3 23.7		3441	1147	125	530		500	227	540	"	470	
274D	7447	3442	1157	126	530		480	228	550	"	480	
	7448			127	530		445	229	520	"	425	
Step of 3441 except Expose to		3443	1183	129	520	"	470	230	530	"	420	
atmosphere in Gals room 24 hours		3444	1117	131	530		530	231	540		415	
1123 f 4.3 24 - 268D	7346			133	530		435	232	550	"	420	
	7422			134	530		430	233	520	"	460	
				136	540		380	234	530	"	420	
854 - 1123 f 4.2 24.1 Grow after		3445	1243	138	520	"	410	235	520	"	445	
group chips removed Lot 15 hours		3446	1193	145	500		310	236	530	"	430	
at 400 lbs per packet for 3 complete				146	510		320	237	540	"	480	
runs in 21 K by Maccamp 338		3447	1220	147	520		345	238	550	"	510	
268D 7388				156	520		465	239	520	"	435	
7382				167	530	"	460	240	530	"	415	
				170	510		490	241	540	"	405	
				171	520	"	490	242	550	"	430	
				176	500	"	320	243	500	"	440	
								244	510	"	450	
								245	520	"	450	

grown Skin grown

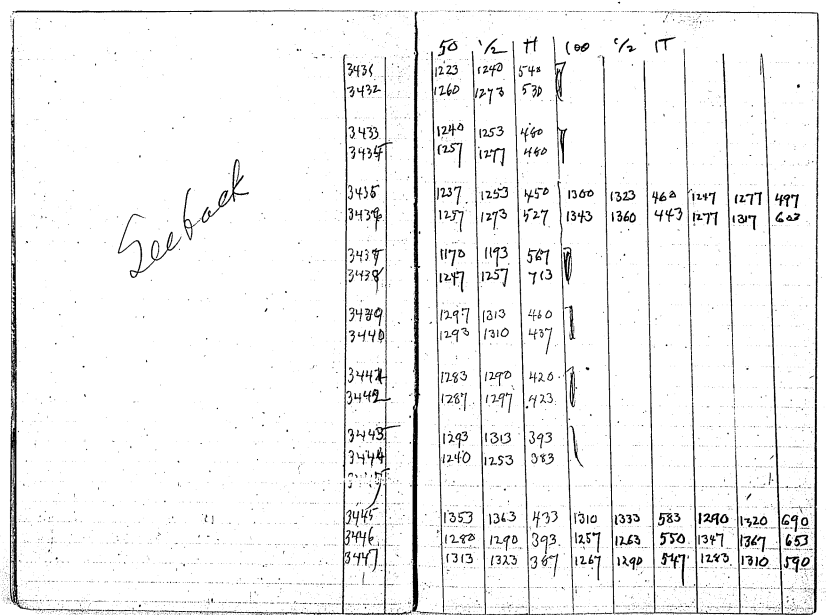
grown

246	530	690	440	291	500	690	405
247	500		415	292	510		410
248	510		420	293	520		415
249	520		460	294	530		395
250	530		445	295	520		425
251	500		420	296	530		440
252	510		475	297	540		450
253	530		460	298	550		420
254	530		520	299	520		380
255	500		425	300	530		400
256	510		465	301	540		420
257	520		455	302	550		400
258	530		525	303	510		395
259	500		480	304	520		410
260	510		435	305	530		410
261	520		455	306	540		410
262	536		455	307	510		430
263	520		430	308	520		420
264	530		455	309	530		425
265	540		465	310	540		450
266	550		425	311	520		400
267	530		430	312	530		410
268	530		430	313	540		390
269	530		420	314	550		440
270	530		400	315	520		390
271	500		430	316	530		405
272	510		445	317	540		405
273	520		445	318	550		395
274	530		465	319	510		390
275	520		390	320	520		410
276	530		415	321	530		435
277	540		420	322	540		400
278	550		450	323	500		385
279	520		410	324	510		375
280	530		430	325	520		370
281	540		410	326	530		390
282	550		425	327	520		390
283	500		395	328	530		390
284	510		415	329	540		390
285	520		455	330	550		380
286	530		415	331	520		405
287	500		405	332	530		395
288	510		440	333	540		390
289	520		470	334	550		415
290	530		480	335	520		390
				336	520		395

Dr Prather's analyses was correct
in the 707 - soaked inert Cone Bi_2

Goldstein gives 20.28% Bi_2O_3
or 20.24% $Bi_2O_{4.3}$
16.26 Metal Bi

337	520	690	420	379	530	690	350	
338	520		395	380	"		350	
339	530		395	1	"		"	
340	530		395	2	"		355	
341	530		395	3	"		360	
342	530		400	4	"		"	
343	540		375	5	"		375	
344	540		375	6	"		360	
345	540		385	7	520		355	
346	540		375	388	"		360	
347	550		400	389	"		355	
348	550		400	390	"		370	
349	550		400	1	530		375	
350	550		395	2	"		370	
351	520		400	3	"		370	
352	520		410	4	540		375	
353	520		420	5	"		385	
354	520		400	6	"		"	
355	500		380	7	"		370	
356	500		375	8	550		380	
357	500		400	9	"		370	
358	500		375	400	"		380	
359	500		400	401	"		365	
360	530		395	402	520		"	
361	530		400	3	"		"	
362	530		400	4	"		"	
363	520		385	5	"		370	
364	520		385	6	560		390	
365	520		380	7	"		380	
366	520		390	8	560		370	
367	530		410	9	"		350	
368	530		390	410	580		"	
369	530		390	11	"		355	
370	530		410	12	"		380	
371	530		390	13	"		365	
372	530		400	14	510		"	
373	530		400	15	"		"	
374	530		400	16	"		370	
375	530		400	17	"		375	
376	530		400	18	520		"	
377	530		400	19	"		"	
378	530		410	20	"		380	
				21	530		390	
				22	"		375	
				23	"		"	
				424	"		370	



See back

	50	½	H	100	½	IT			
3431	1223	1240	548						
3432	1260	1273	530						
3433	1240	1253	460						
3434	1257	1277	460						
3435	1237	1253	450	1300	1323	462	1247	1277	497
3436	1257	1273	527	1343	1360	443	1277	1317	602
3437	1170	1193	587						
3438	1247	1257	713						
3439	1297	1313	460						
3440	1293	1310	437						
3447	1283	1290	420						
3448	1287	1297	423						
3443	1293	1313	393						
3444	1240	1253	383						
[illegible]									
3445	1353	1363	433	1310	1333	583	1290	1320	690
3446	1283	1290	393	1257	1263	550	1347	1367	653
3447	1313	1323	367	1267	1290	547	1283	1310	590

200

3435	1241	1273	687
3436	1283	1323	687

3445	1300	1347	630
46	1287	1330	654
47	1287	1327	627

Dup of 3445 Except rows were changed reversed in 21K2 Lot#. 264 D 7352 7385 7300	3448	1213	1303	1313	413	1267	1290	570	1290	1320	613
	3449	1197	1280	1290	427	1253	1260	527	1267	1283	597
	3450	1210	1330	1353	430	1283	1310	597	1297	1323	687
Dup of 3445 Except row 1129 (1164) Nickel 4.3 24.2 1123 285 D 8206 8202 8186	3451	1083	1183	1193	373	1187	1220	423	1250	1260	507
	3452	1087	1227	1240	360	1230	1247	457	1267	1287	567
	3453	1130	1240	1253	360	1267	1283	430	1267	1293	560
Dup of 3448 Except row 1129 283 D 8140 8122 8113	3454	1063	1133	1160	333	1107	1127	420	1177	1190	470
	3455	1113	1220	1230	347	1227	1243	427	1267	1280	557
	3456	1133	1250	1257	358	1227	1247	417	1267	1280	557
Lot 32 Nuf 1129 green 4.8 24.2 247 D 8075 8126	3457	1130	1257	1273	343	1267	1297	447			
	3458	1130	1263	1263	323	1267	1290	413			
Lot 32 flake. 854 4.8 23.8 268 D 7445 7453	3459	1203	1327	1333	383	1300	1327	517			
	3468	1210	1367	1383	403	1320	1373	517			
RA 1171 Reg 267 D 7311 7383	3461	1163	1280	1290	357						
	3462	1187	1310	1320	300						

3448	1267	1323	653
3449	1280	1303	647
3450	1283	1327	703
3451	1200	1223	460
3452	1267	1293	547
3453	1267	1290	553
3454	1133	1200	483
3455	1250	1293	593
3456	1277	1313	653

Ra 1172 Reg 263 D	9337 7404	3463	1170	1277	1290	417	
		3464	1170	1260	1273	873	
Ra 1173 Reg 260 D	7342 7323	3465	1190	1253	1283	340	
		3466	1190	1260	1267	360	
Ra 1141 Reg washed from Dalby Stood in Atmosphere 48 in Galv room 266 D	7353 7395	3467	1163	1190	1200	383	
		3468	1177	1257	1263	393	
Ra 1174 Reg 249 262 D	7253 7260	3469	1157	1253	1260	337	
		3470	1127	1260	1267	353	
Ra 1175 Reg 248 257 D	7224 7241	3471	1210	1267	1283	380	
		3472	1190	1280	1290	420	
Ra 1176 Reg 248 260 D	7297 7823	3473	1190	1280	1293	407	
		3474	1190	1283	1298	430	
Ra 1177 Reg 4.2 28.7 271 D	7357 7360	3475	1140	1253	1283	440	
		3476	1127	1250	1260	464	
854 Exposed in Galv room 1 day 4.2 23.8 266 D	7352 7363	3477	1213	1290	1297	455	
		3478	1207	1293	1303	460	
Dup 3477 Exposed 3 days 4.2 24 257 D	7482 7474	3479	1223	1280	1290	443	
		3480	1200	1250	1257	423	

						50		100				150			
Dcep 3477 Exposed 1 week			3481	1237		1307	1317	440	1290	1310	513	1280	1307	400
268Δ	7673		3482	1237		1297	1310	433	1290	1313	493	1283	1320	657
Ra 1129 (1169) mixed with 10% Bisthiohydrazide			3483	1063		1430	1483	1037	1417	1483	110	1530	1577	883
Mixed 30 on 190	8391		3484	1093		1450	1530	977	1443	1563	1000	1533	1627	920
1129 4:2 241 300Δ	8486		3485	1093		1467	1530	920	1457	1533	1023	1533	1607	920
Dcep 3483 Except 854			3486	1227		1437	1460	950	1413	1450	897	1427	1463	880
277Δ	7557		3487	1220		1393	1423	1100	1457	1523	890	1487	1527	1060
5822 spread	7618		3488	1250		1440	1457	957	1467	1493	967	1433	1463	1010
	7695													
Ra 1178 Reg			3489	1100		1267	1277	397						
4:2 269	7521		3490	1157		1267	1283	420						
272Δ	7540													
Ra 1179 Reg			3491	1107		1263	1267	437						
263Δ	7405		3492	1107		1243	1277	443						
	7367													
Ra 1180 Reg			3493	1190		1247	1257	407						
265Δ	7394		3494	1160		1243	1258	407						
	7391													
Ra 1181 Reg			3495	1147		1200	1227	420						
270	7446		3496	1147		1213	1230	393						
	7510													
Ra 1141 Reg Wash - Exposed atmosph			3497	1100		1213	1230	430						
168 hours	7406		3498	1093		1200	1213	383						
276Δ	7408													

				250	1/2	ft
3481	1277	1340	803	1283	1343	627
3482	1283	1353	747	1300	1317	627
3483	1573	1690	960	1587	1657	1160
3484	1563	1690	960	1580	1693	1087
3485	1573	1690	987	1593	1690	1057
3486	1393	1537	970	1363	1503	947
3487	1507	1627	1000	1520	1590	1063
3488	1597	1660	1017	1570	1617	1267

300 1/2 ft

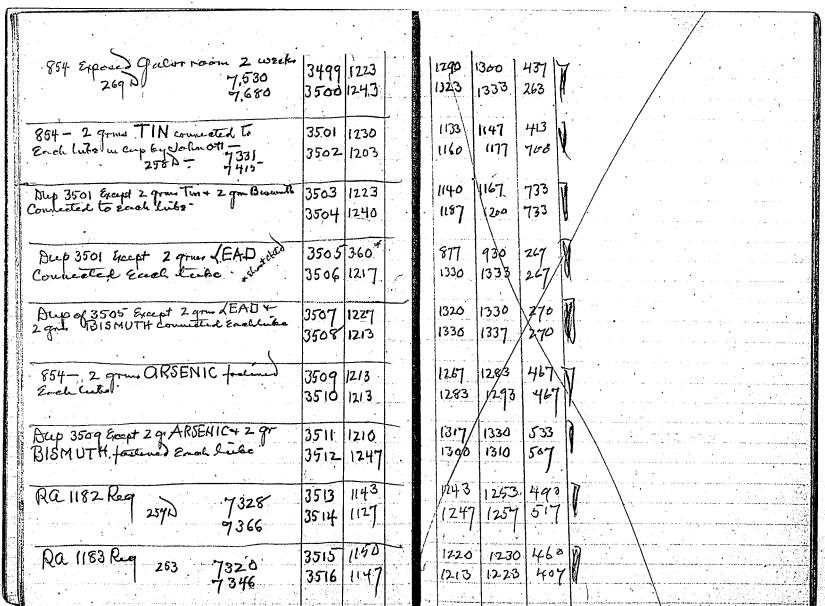
Run luicemott

					350	1/2	ft
1497	1673	1057	1600	1673	1593	1660	1073
1530	1733	1003	1633	1733	1620	1680	1130
1583	1733	933	1643	1733	1617	1687	1043
1287	1553	933	1427	1557	1353	1480	1040
1490	1650	1003	1593	1650	1467	1587	1010
1507	1600	1060	1567	1607	1573	1617	1113

1164 Heavy green NG

	4001					1137	
						1134	
						1137	
3483	1543	1620	1100	1400	1477		Bird Leopard 5 Rings Lion Lion
3484	1570	1633	1023	1430	1517		Bear 2 Rings
3485	1620	1687	1097	1430	1577		Bird Leopard 4 Rings
3486	1333	1487	923	1313	1487	1000	
3487	1483	1590	1090	1460	1550	1020	
3488	1567	1630	1063	1500	1583	1113	

1327	1493	923	
1480	1583	940	
1517	1617	973	



854 Expose 9 cubes room 2 weeks
269 7.530 7.680
3499 1223
3500 1243

854 – 2 grms TIN connected to Each tube in cap by solution
298 A – 7331 7413
3501 1230
3502 1203

Dup 3501 Except 2 grms Tin + 2 gm Bismuth Connected to Each tube
3503 1223
3504 1240

Dup 3501 Except 2 grms LEAD Connected Each tube
3505 1360
3506 1217

Dup of 3505 Except 2 grms LEAD + 2 gm BISMUTH Connected Each tube
3507 1227
3508 1213

854 – 2 grms ARSENIC fastened Each tube
3509 1213
3510 1213

Dup 3509 Except 2 gr ARSENIC + 2 gr BISMUTH fastened Each tube
3511 1210
3512 1247

RA 1182 Req 254 7328 7366
3513 1143
3514 1127

RA 1183 Req 253 7320 7346
3515 1150
3516 1147

1290 1300 437
1323 1333 263

1133 1147 413
1160 1177 708

1140 1167 733
1197 1200 733

877 930 247
1330 1333 267

1320 1330 270
1330 1337 270

1267 1283 467
1283 1293 467

1317 1330 533
1300 1310 567

1243 1253 493
1247 1257 517

1220 1230 460
1213 1223 407

Wed 26

Ra 1184 Rep 268 D	7420 7420	3517 3518	1163 1153	
Ra 1185 Rep 259 D	7390 7435	3519 3520	1150 1157	
Lot 33 Flake 854 — 47 ft 239 265 D	7359 7400	3521 3522	1190 1193	
Dup 3521 Except 1129 (new) 249 D Dump 9 thufs.	7802 7773	3523 3524	1207 1237	
Ra 1129 (new) 2 grms Bismuth Powders to Each Tube — 4 ft 275 246 D	7678 7773	3525 3526	1200 1177	
854 — 1127 ft 42 241 — 2 gm ANTIMONY Commenced to Each Tube — 258 D	7471 7454	3527 3528	1240 1235	
Rep 3527 - Except 2 gm ANTIMONY 2 gms Bi noted to Each Tube 265 D	7454 7498	3529 3530	1160 1260	
Ra 1141 Rep Load & Dy Back Exposed 2 WEEKS 269 D	7350 7445	3531 3532	1157 1163	
Goldstone 170 - 4 ft 266 grew Dump 6 thufs Room Temp —	7800 7755	3533 3534	1220 1197	

1247	1257	427							
1230	1240	393							
1213	1223	767							
1230	1237	933							
1267	1279	390							
1310	1323	380							
1317	1327	323							
1327	1343	300							
1293	1307	290	1290	1313	400	1320	1317	660	
1290	1303	290	1287	1303	407	1333	1353	657	
1323	1330	303	1267	1283	571	1267	1283	790	
1257	1270	170	1203	1217	560	1243	1253	647	
1227	1237	170	1187	1197	607	1247	1257	727	
1267	1277	310	1317	1327	477	1307	1327	497	
1210	1223	297							
1177	1190	300							
1303	1317	297							
1317	1330	300							

3525	1340	1377	633	1267	1427	447	Q
3526	1347	1387	647	1390	1433	473	

Goldstein acc 27 G. + dump 9 Chem f1

Irons chgd against Ni strip in 21K at 120 to 130 Fahr in 24 hours at 400 per pkt. reversed in same D of same lamp 24 hours same rate. Sol thrown away strip cleaned, chgd at room lamp 15 hours 400 ma in 21K 2 Li — as per Holland instruct

1854 — Exposed 3 weeks 266 D	7457 7380	3535 3536	1200 1193	1303 1273	1317 1293	420 403						
Goldsteins 171 — 240 D 4f 27 G — Dump G+f	7433 7463	3537 3538	1200 1200	1347 1323	1363 1333	423 403	1300 1313	1317 1327	327 347	1320 1313	1343 1333	540 510
Goldstein 178 252 D 27 green 4f	7645 7638	3539 3540	1227 1193	1367 1307	1387 1320	327 297	1360 1300	1380 1330	323 363	1357 1313	1373 1327	510 527
Goldstein 181 259 D	7757 7741	3541 3542	1200 1200	1293 1307	1320 1323	303 303						
Goldstein 182 255 D	7670 7678	3543 3544	1230 1240	1323 1317	1340 1333	300 293						
Goldstein 183. 260 D	7855 7854	3545 3546	1227 1240	1397 1420	1427 1437	317 320	1383 1387	1407 1413	480 510	1393 1400	1397 1423	627 593
Goldstein 185 249 D	7368 7410	3547 3548	1227 1227	1420 1317	1440 1330	320 307	1363 1317	1393 1333	543 543	1360 1327	1390 1347	620 517
Goldstein 194 246 D 4 26.8 Dump 9 Chem f —	7364 7313	3549 3550	1133 1090	1320 1287	1340 1313	270 240						

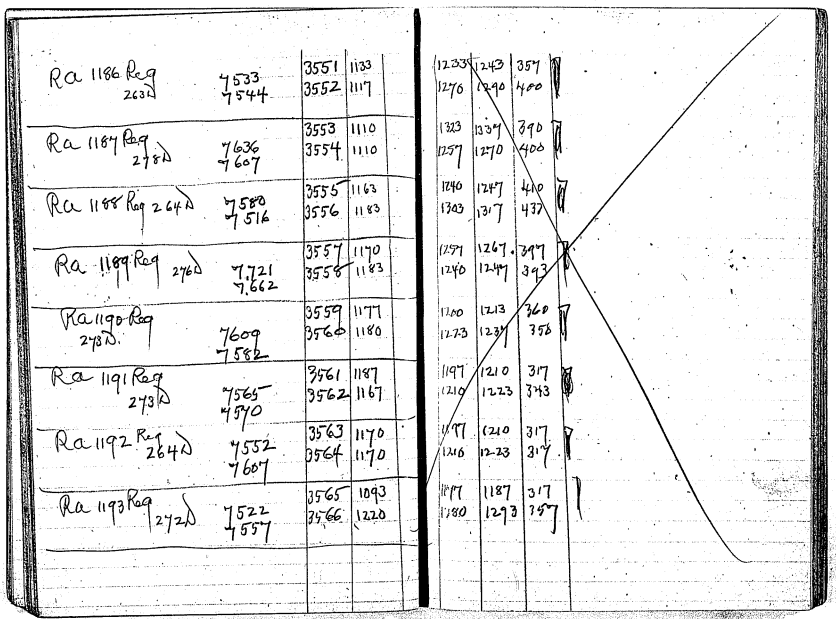
Note 3549 thereafter Iso chgd & Reversed as per instructions given by Holland

Note low vol & Capacity

3545	1417	1450	650	1427	1510	560
3546	1447	1447	697	1443	1527	573
3547	1353	1390	663	1397	1507	600
3548	1337	1363	627	1350	1423	567

3000 5/2 pt

1460	1633	983
1443	1547	960
1367	1550	927
1260	1440	613


Ra 1186 Reg 263D
7533
7544
3551
3552
1133
1117
Ra 1187 Reg 278D
7636
7607
3553
3554
1110
1110
Ra 1188 Reg 264D
7580
7516
3555
3556
1163
1183
Ra 1189 Reg 276D
7721
7662
3557
3558
1170
1183
Ra 1190 Reg 278D
7609
7582
3559
3560
1177
1180
Ra 1191 Reg 273D
7565
7570
3561
3562
1187
1167
Ra 1192 Reg 264D
7552
7607
3563
3564
1170
1170
Ra 1193 Reg 272D
7522
7557
3565
3566
1093
1220
1233 1243 357
1276 1290 400
1323 1337 390
1257 1270 400
1240 1247 410
1303 1317 437
1257 1267 397
1240 1247 393
1200 1213 360
1273 1239 358
1197 1210 317
1210 1223 343
1197 1210 317
1216 1223 317
1187 1187 317
1180 1293 357

Ra 1194 Req 267D	7576 7577	3567 3568	1167 1140	1287 1237	1303 1250	433 400				
Ra 1195 Req 260	7520 7512	3569 3570	1097 1100	1190 1233	1200 1243	397 477				
Ra 1196 Req 271D	7473 7464	3571 3572	1140 1187	1227 1230	1237 1240	433 427				
Ra 1197 Req 262D	7477 7466	3573 3574	1100 1137	1193 1247	1153 1227	387 463				
Ra 1198 Req 270D	7455 7526	3575 3576	1150 1127	1250 1248	1260 1250	433 367				
Ra 1199 Req 275D	7602 7538	3577 3578	1180 1127	1190 1160	1200 1170	323 367				
Ra 1200 Req 269D	7624 7614	3579 3580	1197 1180	1217 1180	1227 1187	317 323				
854 – 1128 f 4.3 2418 – Reinnoculoid filled 210 7D 2467D in each tubes except 1/8 inch at Each end – balance of 1/4 filled Carbonate Soda Gallons into Distilled Enclosure – 800 weighted to End tube –		3581 3582	957 957	993 1200	1007 1017	340 400	967 967	1000 1010	490 517	
	6.335 6.3121									

Lot 34 flake — dia 1129 (1164)

	256D	3583	1223
f 4·2 27 —	7885	3584	1237
	7864		

Lot 34 f 854 — 261D — 7485 — 7545 — 3585 1213 — 3586 1230

4·9 f 24 G.

854 — tubes clapped very much flow dope 6 turns — each time head horizontal & flown upon so no drop 170 Why dope on each tube when dry Holes bee'd coned — no fires applied then on boarding when taken from mould they come as clean as when put in

	269D	3587	1173
	7245	3588	1150
	7235		

1·23 f 4·3 23·7

854 — Lot 15 f 6·9 26·6 — BISMUTH mixed with 10% dihydrious Bismuth Oxide Horn 30 on 1/96 — dump 27 green 2 lamps —

	246D	3589	1217
	7813	3590	1227
	7792		

Bad flake, want one of Bi makes stoke

Dup of 3589 — Except used 10% of Powdered Precipitated Bismuth Horn 80 much fumes all in —

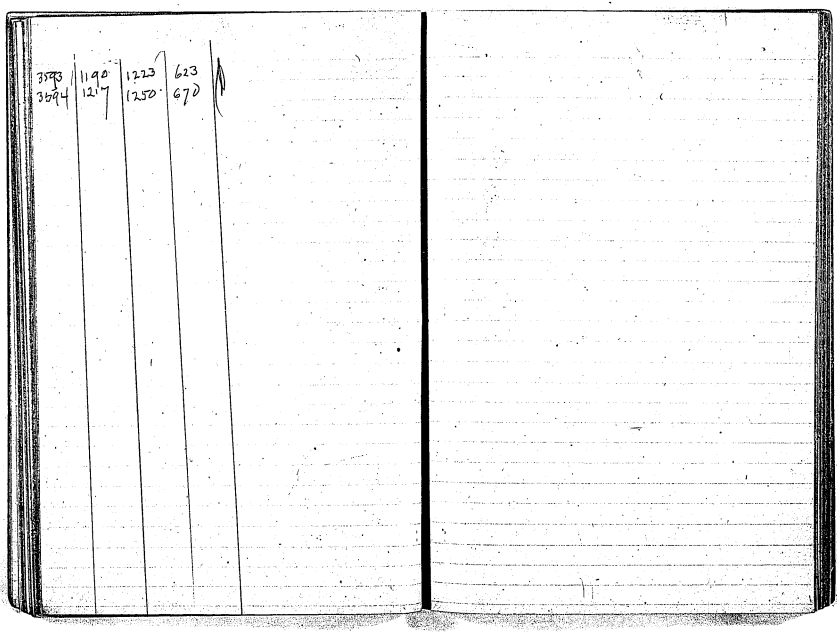
	244D	3591	1200
	7801	3592	1150
	7800		

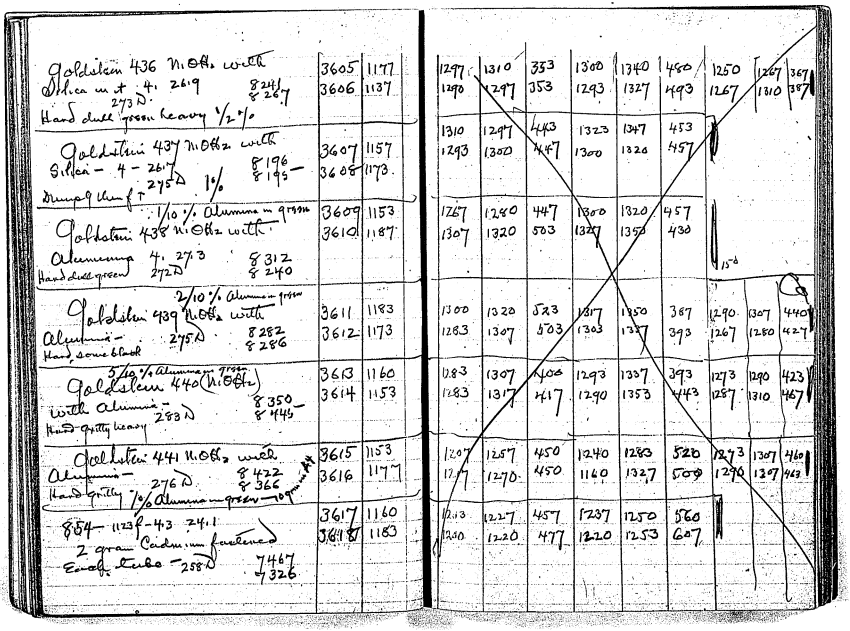
bad flake see 3589 remark BISMUTH

1390	1313	343							
1339	1353	413							
1277	1283	407							
1283	1297	373							
1293	1303	430							
1283	1293	438							
1420	1440	790	1467	1557	810	1507	1527	890	
1403	1427	957	1467	1530	853	1507	1530	863	
1403	1410	747	1377	1407	827	1433	1450	857	
1407	1423	840	1433	1477	824	1480	1497	863	

3589	1437	1483	997	
3590	1450	1510	1083	
3				
3591	1320	1390	887	
3592	1437	1483	1103	

354 – Lot 15 wif 6 – green 23.9	3593	1123	1187	1193	370	1193	1217	593	1207	1227	483
2 grms Bi metal to end Tesla –	3594	1193	1263	1273	420	1240	1260	593	1253	1267	570
2350 – 7586 / 7553											
Bad flake – BISMUTH											
Lot 35 N flake –	3595	1210	1253	1260	423	V					
854 267D 7483	3596	1223	1263	1277	420						
4.8 f 23.9 7473											
Lot 35 N f 1129 Green	3597	1207	1343	1357	407	V					
27 – flake 315 7806	3598	1220	1353	1370	443						
2584 7781											
Ferrate of Barrium –	3599	060	Cells reverse sunny on discharge								
$BaO\,Fe_2O_3 + H_2O$ from Goldstein	3600	000									
1123 f 4.2 23.8 of ferrate soft											
Crumbled & fragments – 6581 / 4504											
2385											
Goldstein 434 $Ni(OH)_2$	3601	1150	1293	1307	397	1330	1370	520	1327	1347	510
with Silica in it – hard dull	3602	1163	1277	1310	397	1330	1370	520	1310	1323	467
green very heavy 270D 10% 8263 / 8184											
Goldstein 435 $Ni.OH_2$	3603	1177	1310	1383	357	1323	1380	470	1317	1330	453
with Silica 4 f 27.3 green –	3604	1117	1267	1280	340	1300	1343	470	1267	1293	377
Hard some black heavy 8244 / 8257											
273 D 2 / 10%											


3593 1190 1223 623
3594 1217 1250 670


Goldstein 436 MoO_4 with
Silica mt 4. 26.9
273 D.
Hard dull green heavy ½ %
3605 1177
3606 1137
1297 1310 353 1300 1340 460 1250 1267 367
1290 297 353 1293 1327 493 1267 1310 387
Goldstein 437 MoO_4 with
Silica – 4 – 26.7
275 D
1%
Dumpy thumb T
3607 1157
3608 1173
1310 1297 443 1323 1347 453
1293 1300 447 1300 1326 457
Goldstein 438 MoO_4 with
Aluminum 4. 27.3
272 D
1/10 % Aluminum green
3609 1153
3610 1187
1267 1280 447 1300 1320 457
1307 1320 503 1327 1350 430
15-6
Goldstein 439 MoO_4 with
Aluminum –
275 D
Hard, some black
2/10 % Aluminum green
3611 1183
3612 1173
1300 1320 523 1317 1350 387 1290 1307 440
1283 1307 503 1303 1327 393 1267 1280 427
Goldstein 440 (MoO_4)
with Aluminum –
283 D
Hard gritty heavy
5/10 % Aluminum green
3613 1160
3614 1153
1283 1307 400 1293 1337 393 1273 1290 423
1283 1317 417 1290 1353 443 1257 1310 467
Goldstein 441 MoO_4 with
Aluminum –
276 D
Hard gritty
¾ % Aluminum green
3615 1153
3616 1177
1207 1257 450 1240 1283 520 1273 1307 460
1277 1270 450 1140 1327 509 1290 1297 443
854 – 1123 f-43 24.1
2 gram Cadmium fluoride
Evap. tube – 258 D
3617 1160
3618 1183
1213 1227 457 1287 1250 560
1290 1220 477 1220 1253 607

		Appeal 1st							
Dup of 3617 Except. 2 grms Bismuth + 2 grms Cadmium Connected to Each Tube —	3619	1217		1260	1290	517	1263	1300	650
	3620	1213		1263	1287	455	1280	1297	583
			8 Mins						
Hollands test for Fe. to get Coal Stuff out — Hts numbers	H								
	1781A	1187							
Regular Fe Treatment of Fe	B	1187							
1 Fe 5 grms 1 Shunt N. Jubz 854 1129	C	1187							
4.28 2.42	average	1187							
Fe Chgd at 75 Fahr once	1782A	1200							
15 hours at 400 each	B	1240							
	C	1187							
	Average	1209							
Fe changed at 130 F once	1783A	1150							
	B	1163							
	C	1200							
		1171							
Fe reversed at 75 F once	1784A	1173							
15 h at 400	B	1170							
	C	1173							
		1172							
Fe Reversed at 130 F once	1785A	1153							
	B	1170							
	C	1190							
		1171							

Mr Bidet notices any peculiarities on his charging Curves in the Mz Equn

Mz charged & Then reversed once 75 Volts	1786 A	1197
	B	1200
	C	1197
		1198
at 75 Mz charged & reversed 5 times changing both the Solutions & the Nickel Strip after Each reverse	1787 A	1233
	B	1241
	C	1237
		1239
At 130 Mz charged & reversed once	1788 A	1260
	B	1260
	C	1207
		1242
at 130 Mz chgd & reversed 5 times changing both the Sols & Ni Strip after Each reverse	1789	11.97
	B	1180
	C	1197
		1191
Mz charged 75 Mz. and reversed at 130 Mz once	1790	1227
	B	1193
	C	1197
		1206
Mz charged at 75 & reversed at 130 Mz 5 times changing Sols & Strip after Each reverse	1791	1180
	B	1193
	C	1220
		1198

7¢ changed 130 reversed 7⅝ once	1792	1197											
	B	1223											
	C	1227											
		1216											
7¢ changed 1307 reversed at 757 5 times changing Sol+Strips after Each reversal	1793	1217											
	B	1217											
	C	1217											
		1217											
at 757 7¢ changed reversed then changed again, Sol+Strips being changed after Reversal	1794	1227											
	B	1233											
	C	1190											
		1217											
7¢ chgd at 1307 reversed at 1307 then changed at 757 the Sol+Strips changed after reversal	1795	1140											
	B	1177											
	C	1190											
		1169											
Goldstein 442 N.Otto with Cobalt in it. 4 27.3 grey kind of runny 272D 1/10 % Cobalt 8430 8390	3621	1137	1223	1257	357	1277	1363	470					
	3622	1133	1208	1220	337	1247	1277	493					
Goldstein 743 N.Otto 2 with Cobalt in it - 1223 4- 26.6- 277D 15% Cobalt 8201 8187	3623	1200	1307	1323	340	1340	1363	520	1280	1313	457		
	3624	1190	1277	1297	340	1297	1313	463	1293	1313	467		
854 43 2341 2 grms Cond. Iwire Tungsten Bronze flattened Each Cubed - 257A 7437 7458	3625	1163	1243	1260	520	1243	1253	586					
	3626	1167	1267	1297	600	1280	1303	663					

Dup of 3625 ~ Except 2 gms Bismuth + 2 gms Mo from fastened Each Cube, 261Δ ~	3627 3628	1137 1160	1177 1197	1197 1210	317 330	1180 1197	1193 1230	483 503
854 ~ 4.3 241 2 gms Cobalt fastened Each Cube 267Δ	3629 3636	1160 1133	1200 1180	1233 1200	313 297	1197 1177	1227 1197	490 450
Dup 3629 ~ Except 2 gms Bismuth + 2 gms Cobalt fastened to Each Cube	3631 3632	1157 1157	1217 1203	1243 1248	310 300	1183 1200	1230 1247	493 513
Gold plate 444 W Cobalt 8390 with Cobalt in 4 2gms 8393 274Δ 1/4 Cobalt gms	3633 3634	1227 1230	1327 1313	1350 1323	300 250	1353 1343	1371 1363	527 467
854 ~ 4.3 241 2 gms Silicon Connected Each Cube 265Δ	3635 3636	1147 1167	480 623	500 660	197 207	697 300	767 473	250 267
Dup of 3635 ~ Except 2 gms Bi + 2 Si Connected Each Cube 264Δ	3637 3638	1157 1163	750 780	793 813	107 103	860 987	883 943	297 353
854 ~ 1123 ~ 4.3 241 2 gms Chromium on Each Cube 263Δ	3639 3640	1077 1047	1143 1118	1167 1160	253 253	1010 1023	1107 1133	250 370
Dup 3639 2 Bi 2 Cr Each Cube	3641 3642	1053 1043	1177 1160	1190 1193	347 297			

Goldstein 445 – M(OH)2 4.27.3 – with Cobalt in it 254 D 7490 1% Cobalt in green 7480	3643	1043
	3644	1050
854 – 4.3 241 2 gms Manganese ~~ton~~ Exact Cubic 262 D	3645	1150
	3646	1143
Dup 3645 – 2 gms Bi 2 gms Mn on Exact Cubic 247 D	3647	1167
	3648	1143
854 – 1123 of 43 241 Put up with 2 rows from Holcomb Seal Cells 1799–1800 259 D 7.479	3649	1183
Dup of 3649 Except used 2 rows from Holcomb 1801–02, 260 D 7457	3650	1123
Dup of 3649 Except from Holcomb Seal Cells 1803–04 – 262 D 7.499	3651	1123
Ditto 1805–06	3652	1177
Ditto 1807–08	3653	1173
Ditto 1809–10	3654	1200
854 – use rows made of Bad cavities not charged or breaded in any form Six cells	3655	1163
	3656	1133
	3657	1170
	3658	1120
	3659	1127
	3660	1133

Note:

						150	L	H	
1370	1393	423	1410	1447	420	1400	1417	587	
1390	1400	417	1440	1453	407	1413	1443	573	
1330	1340	533	1250	1270	493				
1253	1263	470	1133	1153	453				
1290	1300	427	1253	1271	473				
1213	1240	390	1177	1193	420				
1293	1257	463	1220	1233	487	1200	1223	417	
1193	1207	387	1173	1190	433				
1190	1197	387	1173	1190	490				
1247	1260	443	1227	1253	540	1177	1193	408	
1260	1270	383	1240	1260	553				
1243	1257	430	1310	1330	627				
1273	1283	380	1253	1270	521	1173	1193	417	
1220	1240	410	1213	1230	523				
1330	1343	500	1277	1300	527				
1237	1247	460	1230	1253	517	1247	1263	500	
1260	1267	500	1250	1267	537	1223	1243	500	
1247	1257	473	1247	1268	520	1330	1383	583	
						1260	1297	437	
						1240	1260	423	
						1310	1330	480	
						1247	1297	489	
						1283	1310	497	
						1267	1297	470	

belong here

Note

200

3643	1417	1430	570	1413	1450	927
3644	1427	1477	570	1417	1447	903

3649

Burst in 2 places –

350

1410	1393	1397	630
1380	1260	1333	580

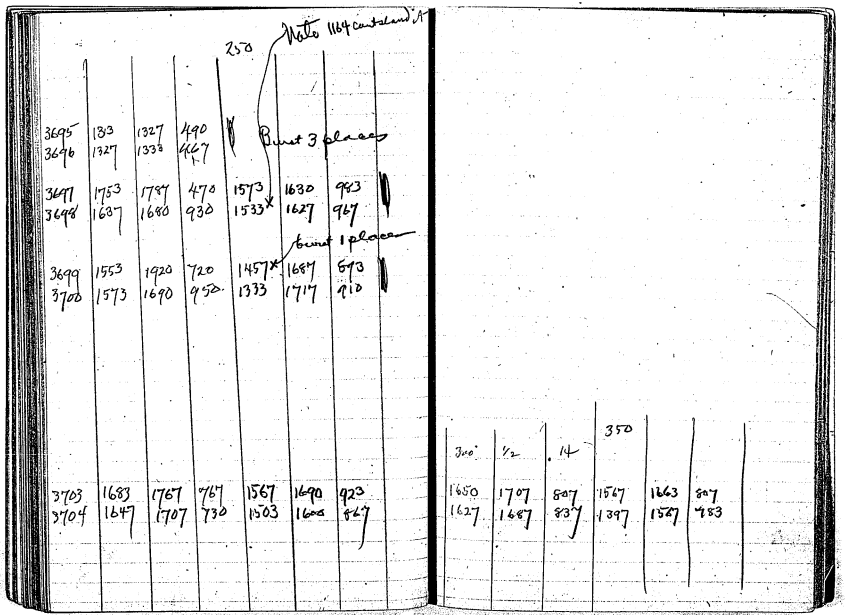
Goldstein 450 MeH with	3661	1207	1293	1313	1410	1317	1360	410					
Vanadium 1123 f 4 – 268	3662	1037	1250	1270	330	1257	1310	380					
Dingy Yellow Tinge 270 D 8088 8048													
Goldstein 451 MeH with	3663	1227	1286	1310	480	1300	1353	467	1380	1373	477		
Vanadium 269 D 8070 8010	3664	1227	1307	1327	423	1313	1367	527	1353	1393	480		
Honeydunk green 4 f 269													
Goldstein 452 MeH with	3665	1133	933	1243	310	860	1283	407					
Vanadium 264 D 7996 7923	3666	1133	867	1233	310	800	1273	397					
Goldstein 453 MeH with	3667	1053	583	1223	307								
Vanadium 253 D 7450 7458	3668	1033	583	1193	293								
4. 267 dunkgreen													
Goldstein 446 MeH with	3669	1280	1387	1353	357	1340	1360	487	1360	1377	483		
Iron in it 269 D 1/10 % 8026 8047	3670	1257	1337	1353	333	1350	1377	387	1360	1350	403		
Goldstein 447 MeH with	3671	1277	1313	1327	360	1317	1330	383	1330	1340	397		
Iron in it 261 D 2/10 % 7869 7801	3672	1243	1307	1327	397	1317	1350	480	1330	1347	470		
dunkgreen													
Goldstein 454 MeH.	3673	1167	1263	1300	420	1308	1327	590	1313	1377	470		
with Arsenic in it. 8254	3674	1193	1287	1300	420	1313	1333	657	1357	1383	477		
27. 277 D 8331													
Goldstein 448 MeH with	3675	1227	1283	1293	380	1287	1317	580	1327	1347	513		
Iron in it 260 D 1/2 % 7919 7895	3676	1193	1253	1247	377	1243	1265	500	1267	1290	473		

note Vanadium Bad

			Note Low	
3663	1323	1333	357	
3664	1326	1330	397	
3669	1330	1343	457	
3670	1340	1350	463	
3671	1317	1327	463	
9672	1320	1330	467	
3673	1349	1367	517	
3674	1357	1377	514	
3675	1333	1349	497	
3676	1310	1320	470	

Goldstein 449 Moth work	3677	1197		1200	1217	340	1183	1193	517	1197	1217	407	
Increment 241 D 7237	3678	1140		1140	1153	340	1100	1133	397	1123	1130	323	
1½ . 7262													
Goldstein 455 Moth work	3679	1177		1271	1290	393	1300	1323	600	1297	1317	507	D
Arsenic in 267 D 8116	3680	1177		1303	1317	397	1323	1353	623	1307	1328	507	D
8194													
Goldstein 456 Moth work	3681	1243		1303	1317	367	1303	1327	573	1293	1320	400	D
Arsenic in 250 D 7573	3682	1230		1297	1310	413	1287	1317	593	1290	1313	518	D
7573													
Goldstein 457 Moth.	3683	1180		1263	1280	390	1283	1317	560	1287	1323	530	
with Arsenic in 7928	3684	1193		1290	1300	377	1317	1330	553	1307	1330	587	
264 D 7953													
	3685	1273		1327	1333	393							
Lot 36 N Flaki 1129 (1164	3686	1283		1327	1337	363							
Dump Wt 264 D 7914													
24 4=2 7902													
Lot 36 f 854 240 D 7484	3687	1260		1303	1350	417							
4:7 - 2:39 7515	3688	1243		1267	1287	343							
Goldstein 458 Moth work	3689	1260	G	1257	1270	337	1247	1270	537	1237	1257	513	
Titanium in it 243 4 6984	3690	1257	S	1227	1253	337	1233	1253	507	1233	1250	513	
228 D													
Bulky 7002													
Goldstein 459 Moth work	3691	1197		1267	1283	340							
Titanium in it - 8151	3692	1157		1230	1247	283							
271 D 8135													

						BD			100			150		
Goldstein 460 Nickel with Titanium nit 2710	8232 8240	3693 3694	1230 1157	Note burnt 1164 can't be used to high loading		1287 1240	1303 1253	327 293						
Goldsboro 461 Nickel with Titanium nit 2454	7547 7510	3695 3696	1193 1230			1273 1290	1290 1310	363 433	1303 1310	1323 1327	484 434	1327 1320	1340 1333	500 517
1129 (1164) Export with 20% Anhydrous BISMUTH oxide Thru 50 on 190 4.f 2710 2830 5963 gpm	8542 8589	3697 3698	1287 1233			1413 1530	1440 1550	893 607	1720 1657	1730 1670	843 863	1747 1687	1767 1737	917 973
Dup 3697 Except mixed with 30% anhyd Bismuth Oxide Thru 50 on 190 4.27 2960 dump & clean	8887 8914	3699 3700	1247 1253			1450 1443	1457 1453	850 863	1605 1603	1610 1617	780 763	1627 1650	1653 1650	597 973
RA 1129 (1164) Nickel coated 50% Anhyd B.O Thru 50 on 190 300 D 27 dump & clean - slightly sticky sticky in shoe	9747 9866	3701 3702	993 1027			1133 1140	1157 1167	560 663	1210 1207	1313 1333	513 553	1693 1183	1313 1343	887 977
854 mixed with 20% B.O anhy Thru 50 on 190 4.3 2.41 314 D	8120 8152	3703 3704	1237 1223			1430 1433	1437 1460	1043 843	1603 1603	1610 1613	783 737	1557 1640	1570 1633	843 850



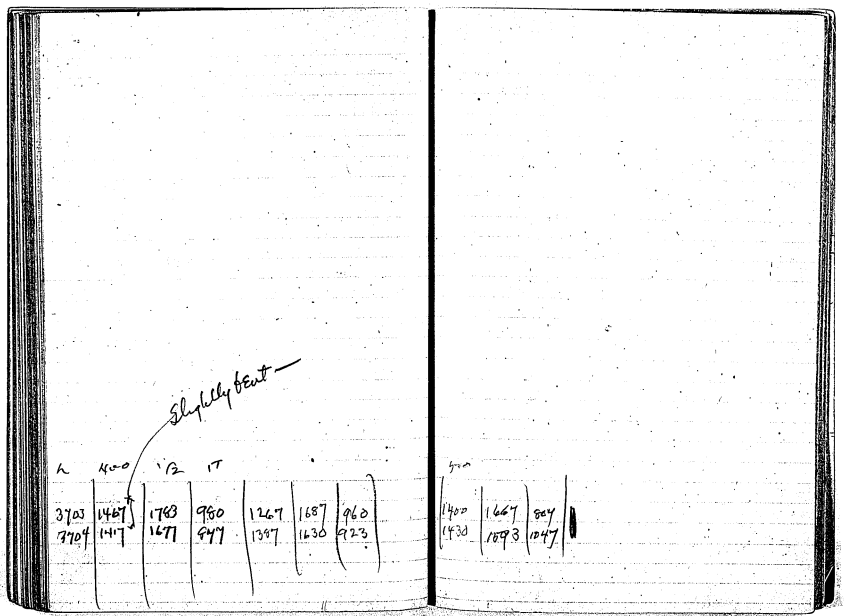
250

Note 1164 contained in

3695	133	1327	490		Burnt 3 places		
3696	1327	1333	467				
3697	1753	1787	470	1573	1630	983	
3698	1687	1680	930	1533	1627	967	
3699	1553	1920	720	1457	1687	573	burnt 1 place
3700	1573	1690	950	1333	1717	710	
3703	1683	1767	767	1567	1690	923	
3704	1647	1707	730	1503	1600	847	

350

Inc.	1/2	14				
1650	1707	807	1567	1663	807	
1627	1687	837	1397	1527	983	


Slightly bent
h
400
12
17
500
3703
1467
1783
980
1267
1687
960
1400
1667
864
7704
1417
1671
947
1387
1630
923
1430
1693
1047

Dup of 3703 Except mixed with 30% B10 Cenbuf 3142	8486 8604	3705 3706	1167 1130	1333 1310	1350 1327	920 913	1550 1450	1563 1487	917 607	1400 1353	1530 1457	900 707
Dup 3703 Except mixed with 50% B10 Cenbuf 1 hrs 50 on 190 353 D	9678 9588	3707 3708	937 930	1093 1093	1117 1117	440 437	1100 1130	1197 1147	430 437	933 943	1223 1197	453 447
854 1123f 4.3 2319 21K 2 Li 1 mlg Aluminum dissolved in Electrolyte to 2658	drum wire crumpled 7525 7385	3709 3710	1217 1177	1243 1217	1253 1223	437 980	1250 1210	1267 1227	450 393	1250 1200	1263 1217	610 560
Dup 3709 Except 3 mlg Aluminum		3711 3712	1227 1213	1220 1233	1227 1243	380 433	1220 1243	1237 1257	427 427	1213 1213	1233 1217	610 564
Dup 3709 Except 9 mlg Aluminum		3713 3714	7 1237 1197	1240 1230	1247 1233	526 563	1237 1227	1250 1258	457 450	1227 1213	1243 1217	527 547
Dup 3709 Except 27 mlg Aluminum		3715 3716	11 1190 1197	1173 1183	1183 1190	270 270	1187 1120	1193 1180	440 397	1113 1110	1127 1123	543 487
Dup 3709 Except 81 mlg Aluminum		3717 3718	1173 1197	1113 1177	1127 1183	277 337	1057 1067	1063 1110	430 480			

Note

3705	1261	1857	667	1073	1600	790
8706	1200	1847	553	977	1643	767
3714	1067	1130	653			
3716	1097	1140	633			

LONG TUBES

		.9 900	½	H	950	½	H
Tubes from Rogers	10262	1383	1513	1008	1313	1488	1045
Flake 27 730 green 8 Rmp 21 K 21	10263	1271	1354	1004	1217	1321	1035
	10277	1415	1633	1013	1450	1613	1030
Rogers tubes	10278	1388	1558	1029	1488	1621	1035
Flake 34 730 green 21 K 21	10279	1404	1646	1021	1467	1642	910
	10280	1496	1658	1013	1725	1788	910
Drop 10277 Flake 35 730 green	10281	1617	1696	1083	1725	1817	980
	10282	1467	1558	992	1579	1667	925
		950			800		
Tubes from Monahan flame oxidized run thru hydrogen flat.	10286	1150	1271	963	1225	1333	930
	10287	1300	1467	996	1313	1467	945
15A 732 green	10288	1325	1496	1033	1396	1546	960
		700					
3 tubes measured Batcho Solid Ends -	10308	1642	1771	1000	1667	1805	1055
	10309	1633	1772	1042	1633	1754	1070
	10310	1688	1792	988	1638	1796	1085
	10311	1688	1854	1029	1696	1875	1065
Drop 10308 Except Hollow Copper Ends	10312	1675	1750	1025	1646	1767	990
	10313	1663	1775	1004	1675	1821	1025
		600			650		
Green 739 Flame 30 on 190 Lot 150	10340	1696	1754	913	1704	1792	937
Stock 28 Nif micrometer used automatic blood micro reading	10341	1692	1808	917	1750	1863	993
found on from 8 Batches 10 556 357 A 10 538							

~~1208~~

	1050			1100			1150					
10280	1500	1579	892	1546	1608	929	1317	1392	988	1075	1108	855
10281	1467	1571	942	167	1667	988	1400	1467	938	1267	1333	880
10283	1300	1373	900	1538	1604	913	1279	1375	933	1067	1104	815
	850			900			950			1000	½	14
10308	1538	1658	996	1671	1729	1042	1458	1500	1025	1288	1333	895
10309	1542	1625	1027	1658	1725	1058	1429	1500	1033	1288	1333	905
10310	1517	1663	1038	1646	1733	1063	1425	1508	1021	1271	1333	920
10311	1642	1800	1075	1733	1800	1092				1000	½	14
10312	1542	1704	977	1746	1838	1033	1542	1667	979	1367	1425	915
10313	1575	1708	988	1750	1800	996	1575	1658	992	1338	1400	930
	750			800			1550	1658	1013	1400	1438	925
							850			900	½	14
10340	1663	1729	929	1733	1842	950	1550	1658	925	1488	1550	940
10341	1663	1813	967	1733	1871	1038	1575	1667	983	1475	1521	945

	1250			1300	1/2	H	
10280	1005	1058	896	995	1000	667	
10281	1150	1208	942	1083	1146	908	
10282	1604	1058	892	1000	1058	688	
	1050	1/2	H	1100	1/2	H	
10308	1288	1313	950	1238	1258	754	
10309	1304	1329	1021	1263	1313	783	
10310	1250	1304	979	1200	1250	754	
10311	1329	1392	992	1263	1392	804	
10312	1329	1396	1075	1292	1350	808	
10313	1375	1413	1025	1304	1408	808	
	950	1/2	H				
10340	1442	1521	958	1325	1475	775	
10341	1467	1533	996	1321	1417	829	

1350	1/2	H
917	979	746
1108	1238	817
1008	1040	783
1150	1/2	H
1250	1283	850
1271	1358	821
1179	1229	842
1283	1379	925
1304	1358	967
1400	1438	854
1350	1/2	H
1392	1471	917
1358	1413	900

about 90 cal Impurity 9 Hours Vacc.

			500	½	1H	550	½	1H				
Long tubes rings put on with Graphite.		10342	1463	1554	908	1529	1638	905				
after 50 Rds — 21K2Li Graphite plain		10343	1517	1583	913	1558	1638	905				
21K only		10344	1563	1663	921	1563	1692	940				
2 lbs Lot Bismuth traced flasks		10345			450		500					
369d 10876 10876			1792	1896	1183	1692	1813	1153				
21K2Li		10346	1646	1763	1271	1500	1617	1185				
			933	953	297	800	813	357				
Dup 3709	3719	1180	980	1020	310	800	827	357				
Except 243 Mag/Aluminum	3720	1180										
854 Mixed with 3% Bismuth Metal	3745	1183	1297	1307	617	1310	1320	587	1333	1363	690	
Hours 100 fuses ∠ 1123 f .7625	3746	1213	1287	1300	637	1327	1337	623	1300	1323	697	
4.3 23.8 27.4d .7650												
Dup of 3745 Except 6% of	3747	1207	1450	1470	993	1550	1573	953	1600	1627	953	
Metal Bismuth Hours 100 mixed with	3748	1203	1470	1483	847	1530	1547	833	1573	1587	967	
4.3 24.2 28.1d 7818 7835												
					probably more than 6% after 4 hours heat							
Dup of 3745 - Except 10%			1470	1487	850	1540	1567	897	1593	1623	987	
Metal Bismuth Hours 100 fuses mixed	3749	1167	1463	1477	910	1547	1570	880	1620	1687	933	
with 854 - 4.3 23.8 7824	3750	1193										
28.2d 7861												

	650			700			750			700				
10342	1467	1529	975	1558	1625	975	1433	1488	950	1229	1267	885		
10343	1500	1579	988	1550	1613	979	1383	1475	958	1229	1250	885		
10344	1517	1583	996	1533	1625	1043	1349	1463	966	1233	1275	900		
	600			650			700			700				
10345	1650	1742	1183	1717	1842	1225	1575	1729	1242	1425	1575	1175		
10346	1508	1596	1350	1604	1692	1308	1333	1417	1138	1150	1250	983		
3745	1387	1410	777											
3746	1333	1402	713											
				250						350	1/2	ct		
3747	1570	1613	977	1560	1593	903	1520	1590	1047	1530	1613	940		
3748	1577	1623	1030	1517	1513	1517	1457	1533	927	1473	1550	897		
3749	1570	1617	1060	1573	1593	973	1530	1597	1059	1543	1633	937		
3750	1570	1630	1070	1560	1620	1560	1547	1627	1067	1547	1640	970		

	850	1/2	H	900	1/2	H
10342	1258	1283	938	1167	1192	486
10343	1229	1250	950	1167	1192	467
10344	1183	1254	958	1158	1208	692
	800	1/2	H			
10345	1388	1554	1104	1296	1446	942
10346	1063	1096	1123	1113	1158	950

1142	1213	829
1171	1196	808
1163	1158	846
1192	1314	1113
888	980	929

	400					
3447	1493	1573	997	1458	1570	997
3448	1433	1533	977	1457	1567	947
3449	1493	1560	1020	1467	1567	953
3450	1447	1557	993	1397	1533	923

See circular

Dup 3745 with 15% Metal Bismuth in green. 4.3 24.2 298D	8336 8312	3751 3752	1163 1157	1517 1523	1530 1537	667 730	1613 1673	1627 1683	730 807	1590 1647	1617 1687	883 1110
37 Nflake 854- 5f 24.2 260D	7444 7472	3753 3754	1203 1227	1250 1310	1263 1323	403 517						
37 f Ra 1164 4.7 27. 257D	7903 7803	3755 3756	1237 1240	1328 1293	1347 1307	497 437						
854 powdered thru 190 mesh ground from mixed 10% of 5 mesh Fe with made Fe plate 6 grind 5 mesh run as a No 5 should be run on 4 Fe, would necessary the AP- the —	7508 7466	3757 3758	1183 1167	1273 1257	1283 1267	387 380	1250 1220	1267 1237	443 400	Run on Fe		
Dup of 3757 Except 5% MoO_2 on Fe powder - .		3759 3760	1163 1160	1223 1207	1230 1217	360 360	C					
Dup 3757 Except 10% MoO_3 on Fe powder,		3761 3762	1180 1173	1217 1217	1230 1227	390 490	1200 1197	1237 1250	463 403			
854- put 4 grms powdered fire brick on Elad with Fe Each case - thru 190 mesh		3769 3770	1180 1197	1190 1167	1200 1177	890 660	1130 1123	1197 1133	423 417	1123 1140	1147 1163	703 817
854- pickup with 2 grms Clint hard 10% powdered fire brick mixed with 4 & 6 grm pile		3771 3772	1143 1180	1057 1093	1063 1108	390 467	1043 1097	1053 1127	373 420	1040 1063	1053 1097	597 693

				250						350			Stanley Grant
3751	1530	1557	1127	1613	1640	773	1560	1593	873	1540	1600	733	
3752	1420	1620	1133	1560	1663	923	1447	1617	1200	1427	1697	970	
3769	1570	267	603										
3770	1571	257	657										
3771	1000	1093	583										
3772	1043	1107	657										

Slightly burnt

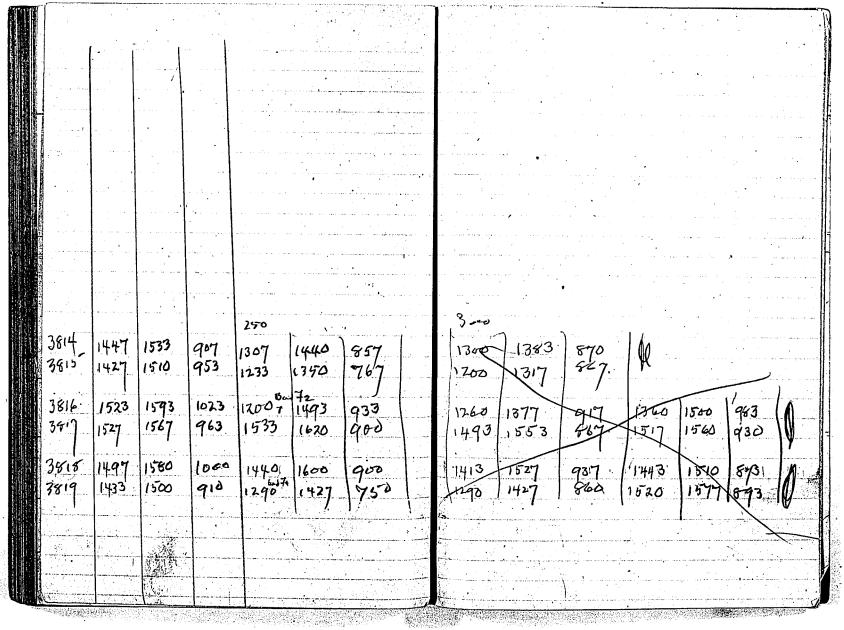
	400	1/2	ft				
3751	1610	1677	1007	1490	1617	840
3752	1583	1700	997	1490	1660	840

	500	1/2	ft	burnt	pencilled Count
				12	" "
1383	1547	793			
1400	1583	843			

854 mixed with 10% powdered quartz from 100 fuse alloy in 253D	7382 7486	3779 3780	957 900	1037 1038	1043 1040	440 417	1110 1113	1120 1123	447 447	1127 1120	1150 1133	633 567
854 mixed with 10% Mi peroxide Anhydrous made by Goldschmidt 273D	7651 7632	3781 3782	1117 1113	1217 1187	1237 1197	447 420	1240 1210	1257 1220	453 440			
734 Cadmium 16.8% Bi put in lade without flake 334D	7616	3783	167	103		given to Holland to reverse given Cu						
854 mixed with 10% BiOxide made by Goldschm - Iron 100 fuse alloy to Ra BiO - 275D	7640 7703	3784 3785	1207 1207	1367 1447	1377 1457	760 693	1423 1490	1437 1500	733 793	1433 1527	1453 1550	823 933
854 · 2 grms Zinc Concealed to Each tube —		3786 3787	1140 1147	1090 1098	1100 1103	500 537	1200 1140	1210 1197	500 460			
Dup 3786 Except 2 grms Zinc & 2 grms Bismuth Concealed to Each tube		3788 3789	1160 1170	1120 1090	1127 1100	547 503	1207 1140	1223 1197	437 423			
854 mixed with 10% Anhyd BiOx from 100 fuse alloy 3.6 f 23.9 gr 275D	7690 7653	3802 3803	1270 1270	1487 1517	1500 1550	890 887	1563 1567	1587 1613	863 860	1543 1540	1613 1593	650 990
Dup 3802 Except 3.1 f 23.9 gr 282D	7530 7538	3804 3805	1307 1287	1563 1533	1577 1560	903 1087	1540 1577	1577 1663	653 990	1577 1527	1663 1527	927 960

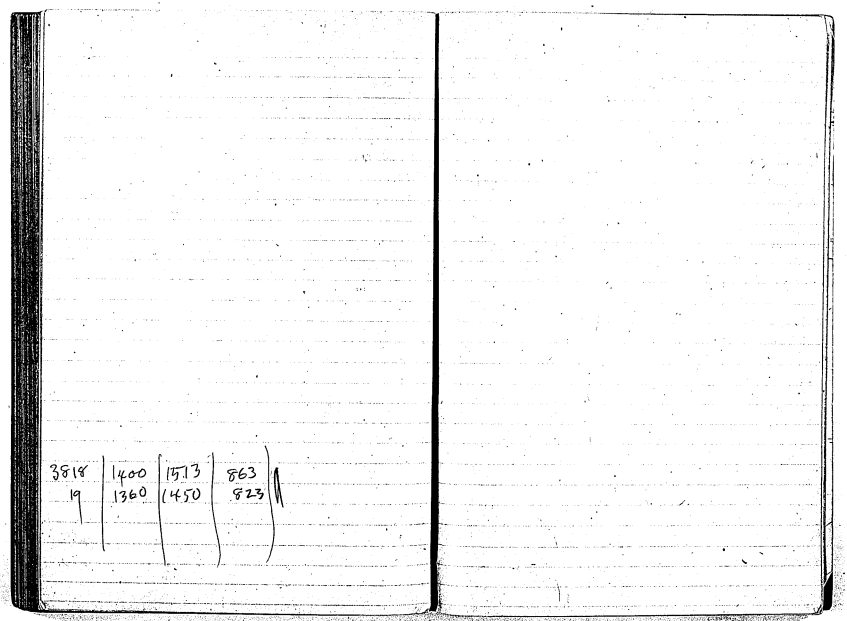
3784	1420	1490	893										
3795	1467	1557	967										
				250								342	
3802	1510	1563	990	1533	1627	913		1490	1557	1047	1530	1600	993
3803	1517	1587	967	1467	1646	950		1458	1523	1024	1477	1557	944
				250									
3804	1523	1590	1033	1480	1543	917		1358	1440	913	1420	1487	900
3805	1400	1433	1073	1480	1543	917		1353	1413	930	1443	1497	942

Dup 3802 Except 2 f— 2.3 23.9 2820 7593 7681 Flake down fed good opening too small.	3806 3807	1180 1197	1467 1380	1507 1407	883 823	1443 1460	1457 1423	720 617	1197 1133	1233 1170	763 727	
Dup 3802 Except 1 f. 1:1 23.9 2970 7370 7404 Flake down fed good.	3808 3809	757 527	1003 790	1067 800	797 750	993 800	1033 867	507 523	Not enough Oxalic to 2 grams			
854 mixed with 5% Anhy Box Horn 100 grams acid — made yellow 1 f. 1:1 23.8 7109 7071 Flake fed a bad	3810 3811	567 577	607 510	633 523	560 417	770 577	783 590	433 207	Letts			
Dup 3810 Except 2 f pump 2.2435 2970 opening too small to feed pump 7254 7169	3812 3813	1260 1197	1410 1267	1433 1307	637 537	1383 1227	1427 1290	480 680	1333 1133	1400 1210	680 660	
Dup 3810 3 f pump 2940 7392 7382	3814 3815	1287 1273	1460 1463	1480 1490	630 730	1467 1440	1490 1460	817 763	1500 1473	1533 1517	893 870	
Dup 3810 3½ f 3.6 23.8 2760 7502 7526	3816 3817	1277 1263	1543 1537	1580 1560	913 800	1530 1533	1560 1560	957 1010	1583 1587	1600 1600	947 947	
Dup 3810 4 f 4.3 23.8 2720 7697 7609	3818 3819	1227 1223	1467 1400	1463 1423	793 787	1513 1417	1530 1433	847 800	1573 1587	1593 1463	940 887	
854 — 1273 f — 2 grms Metal Molybdenum 4.3 23.9 to Oxalic Lube 7400 2940 7377	3820 3821	1123 1133	1223 1177	1287 1307	313 313							
Dup 3820 Except 2 grms Bi + 2 grms Mo to Oxalic Lube	3822 3823	1133 1110	1227 1200	1280 1300	323 338							

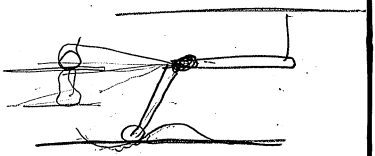


3814	1447	1533	907	1307	1440	857	
3815	1427	1510	953	1233	1350	767	
3816	1523	1593	1023	1200	1493	933	
3817	1527	1567	963	1533	1620	900	
3818	1497	1580	1000	1440	1600	900	
3819	1433	1500	910	1290	1427	750	

1300	1383	870				
1200	1317	827				
1760	1377	917	1760	1500	983	
1493	1553	967	1517	1560	930	
1413	1527	937	1443	1510	893	
1290	1427	860	1520	1577	893	


3818 | 1400 | 1513 | 863
19 | 1360 | 1450 | 823

RA 1287 Expmt		3824	1147	1213	1227	290	1163	1177	410			
35% by bulk Mum 1/40 –	7540 7491	3825	1133	1170	1180	310	1130	1133	410			
Lot 38 N. Hales 854 –		3826	1230	1240	1257	367						
45 2315 2284	7506 7444	3827	1223	1217	1233	367						
Dup with 1164		3828	1257	1253	1260	373						
4:1 27 2634	7935 7876	3829	1263	1267	1283	353						
854 – 2 gms Tellurium connected		3830	1213	1300	1317	330	1117	1123	297	1120	1133	410
Each tube 2714	7471 7454	3831	1240	1280	1240	337	1000	1117	100	1120	1133	377
Dup 3830 but 2 Bi + 2 Te connected		3832	1213	1300	1310	337	1130	1140	323	1173	1183	417
Each tube —		3833	1200	1290	1300	340	1130	1140	407	1177	1187	417
854 — 2 gms powdered Tungsten		3834	1210	1197	1207	373	1197	1207	477			
Metal Connected Each Tube 2742		3835	1210	1290	1300	407	1257	1273	567			
Dup 3834 2 gms Bi 2 gms W		3836	1202	1243	1247	407	1233	1247	553			
to Each Tube —		3837	1197	1240	1257	377	1230	1248	557			
854 2 gms Vanadium + iron alloy		3838	1197	610	1457	777						
to Each tube		3839	1157	610	1377	380						
Dup 3838 2 Bi + 2 Va Fe alloy		3840	1180	607	1433	393						
Each Tube —		3841	1150	610	1393	340						



Notebook, N-13-10-10

					50	100	½	H	150	½	H	200	½	H
Edwoh 77 No3 acid & heavy RUN COLD BISMUTH 7508 21K 2 Li	8807	1040			1417	1417	1440	—	1510	1547	1090	1460	1437	980
	8808	1047			1400	1397	1417	—	1463	1483	777	1407	1430	1123
R29 Tubes 4 f oxdyd- 708 soaked 20 min Conc $BiCl_3$ NHCl- no wash, boiled KOH washed free K, dried before using KOH 21K—	8087	937				1150			1080			1047	1090	387
	8088	943				1150			1110			1060	1090	423
	8089	943				1117			1093			1077	1097	347
734- soaked 20 min Conc $BiCl_3$ NHCl- all free liquid jounced out, dried, put in KOH heated several hours, washed, decantation till nearly free Cl 10 Lbs lot 21K 2 Li No 4 f 8 213	525	1140	50	½	H	100	½	H	150	½	H			
	526	1147	1350	1363	883	1247	1267	1097	1337	1377	1120			
	527	1147	1293	1343	1053	1237	1253	1137	1290	1333	1123			
			1300	1327	1023	1243	1263	1173	1393	1437	1090			
719- flake not oxdyd or H treated in hot conc $BiCl_3$ NHCl steel color washed with NH_4Cl.	478	1220	1400	1563	670	1400	1577	1107	1387	1613	1017			
	479	1217	1393	1573	643	1410	1580	1113	1400	1617	1057			
	480	1233	1440	1577	590	1430	1597	1100	1467	1660	1110			
Dup of 565, But RQ 734 green Containing 16.8% Bi metal green breath very Conc $BiCl_3$ NHCl- what's 565 7955	571	1183	1467	1523	643	1500	1527	513	1497	1530	1227			
	572	1177	1393	1423	900	1287	1320	730	1400	1430	1140			
734 green 16.8 Bi - Sheared flake 10 6-1 20A 1st 2 charges + dunchips in 21K 4 Li ¼ rotte then change to 21K 2 Li	579	1200	1447	1497	667	1433	1470	660	1443	1477	1173			
	580	1193	1446	1537	630	1427	1453	677	1450	1477	1183			
734 green with 16.8 Bi and — Sheared f 10 6 charges in 21K 8 Li ½ of Rq rotte then change to 21K 2 Li Bow	595	1320	1440	1463	993	1400	1433	677	1443	1467	1060			
	596	1320	1440	1463	1033	1433	1473	667	1443	1477	1100			

* New put – 21K 2 Ks

	250	½	H	300	½	H	350	½	H
8807	1370	1418	890	1440	1488	830	1463	1527	900
8808	1353	1390	1078	1427	1457	1050	1327	1390	1067
8087	983	1063	333	1243	1363	590	1363	1477	1137
8088	1007	1093	3774	1253	1400	543	1340	1460	643
8089	1073	1127	320	1243	1370	850	1280	1403	1087

	200	½	H	250	½	H	300	½	H
525	1350	1403	933	1413	1467	483	1327	1373	977
526	1153	1230	1197	1320	1367	1010	1390	1430	743
527	1320	1385	1120	1293	1340	1050	1377	1417	663
478	1450	1633	1073	1420	1603	1150	1437	1623	950
479	1483	1667	1130	1423	1623	1160	1467	1637	1090
480	1490	1740	1140	1507	1687	1060	1537	1693	1007
571	1417	1443	963	1410	1458	1257	1477	1507	1127
572	1406	1427	780	1360	1413	1290	1437	1467	1143
579	1313	1360	1013	1437	1483	1150	1507	1550	1170
580	1297	1323	1020	1457	1503	1160	1477	1507	1167
595	1287	1317	1083	1460	1500	1097	1493	1530	1123
596	1320	1350	977	1423	1470	1170	1440	1500	1183

	400	½	H	450	½	H	500	½	H
	1293	1380	1150	1263	1347	780	1303	1383	890
	1253	1327	1093	1213	1290	817	1293	1373	910
	1100	1370	1027	993	1323	}	1190	1310	947
	860	1367	1017	833	1507	}	1253	1370	757
	933	1473	1183	1000	1470	}	1283	1527	1030

	350	½	H	400	½	H	450	½	H
	1453	1523	767	1260	1340	1118	1117	1177	1100
	1450	1510	800	1247	1317	1120	1137	1200	1067
	1450	1517	800	1200	1260	1157	1133	1200	1097
	1490	1663	1050	1457	1643	1107	1340	1523	1163
	1500	1683	1027	1477	1653	1108	1373	1527	1166
	1550	1693	1053	1507	1670	1177	1383	1587	1247
	1267	1273	1071	1260	1320	1100	1373	1467	1100
	1270	1283	1250	1260	1327	1100	1447	1503	1120
	1277	1333	}	1343	1453	1110	1437	1560	1100
	1397	1433	}	1387	1450	1113	1450	1540	1117
	1330	1330	1013	1340	1443	1117	1487	1613	1127
	1390	1413	753	1303	1443	1133	1337	1660	1120

	550	½	H	600	½	H	650	½	H
8807	1330	1357	833	1273	1347	713	1323	1387	760
8808	1280	1340	863	1220	1287	1243	1333	1410	740
8087	1290	1433	1240	1330	1457	1083	1313 xss	1433	1027
8088	1207	1343	1080	1293	1437	1093	1313	1480	1230
8089	1347	1457	1247	1390	1517	1057	1373	1493	1133

	500	½	H	550	½	H	600	½	H
525	1237	1307	1110	1020	1093	1057	1150	1200	506
526	1277	1353	957	1007	1067	1053	1150	1190	604
527	1233	1307	1127	1020	1087	1093	1200	1243	607
478	1267 x1R	1467	1117	1277	1493	1067	1153 x3R	1407	1090
479	1267	1490	1200	1263	1450	1200	1143 x3R	1353	1127
480	1287	1567	1193	1310	1600	1323	1143	1487	1083
571	1463	1677	1077	1367	1490	1200	1443 xv	1497	890
572	1417	1663	1113	1327	1503	1190	1553	1597	817
579	1520	1660	1080	1353	1530	1120	1513 xv	1577	923
580	1493	1693	1110	1360	1477	1130	1403	1463	837
595	1517	1600	1233	1360	1550	1070	1547	—	—
596	1460	1667	1207	1263	1410	1217	1540	—	—

	700	½	H	750	½	H	800	½	H
	1230	1363	1060	1287	1323	1033	1117	1210	987
	1230	1307	1017	1247	1340	933	1110	1190	990
	1293	1390	826	1267	1377	947	1310	1420	1077
	1307	1430	883	1310	1447	1010	1360	1497	1090
	1353	1480	897	1360	1473	1033	1393	1503	1060

	650	½	H	700	½	H	750	½	H
	1343	1413	860				1160	1243	1043
	1360	1433	907				1167	1243	1023
	1303	1370	957				1120	1177	1083
	1263 3R	1367	300	1257 1R	1343	797	1290 2R	1397	847
	1200	1307	686	1117	1207	893	1057 2R	1163	823
	1417	1447	906	1233	1323	893	1080	1187	863
	1563	1597	987	1563	1627	1137	1533	1717	930
	1587	1647	1017	1553	1610	1143	1407	1510	1097
	1553	1590	1113	1483	1567	1157	1547	1667	930
	1527	1597	1107	1567	1640	987	1467	1667	1010
	1683	1717	571	1597	1640	1097	1533	1617	1070
	1563	1620	987	1477	1533	1133	1513	1623	1020

	850	½	H	900	½	H	950	½	H
8807	1110	1287	1070	1187	1283	820	1133	1240	983
8808	1050	1260	903	1177	1280	903	1107	1210	980
8087	1160	1277	790	1113	1220	1053	1020	1127	940
8088	1423	1533	1057	1180	1363	1110	1133	1237	1033
8089	1450	1537	1007	1243	1310	1063	1133	1200	1003
							900		
525	1063	1107	993	1047	1100	923	1183	1273	917
526	1060	1090	963	980	1040	917	1060	1127	793
527	1057	1077	900	1050	1100	927	1120	1193	833
478									
479									
480									
571	1653	1767	1043	1523	1713	1070	1523	1620	
572	1700	1783	883	1550	1760	1047	1450	1533	
579	1700	1747	877	1467	1850	963	1460	1580	
580	1647	1777	877	1580	1753	1107	1477	1577	
595	1700	1750	890	1667	1733	913	1573	1667	
596	1647	1667	1003	1617	1790	970	1523	1593	

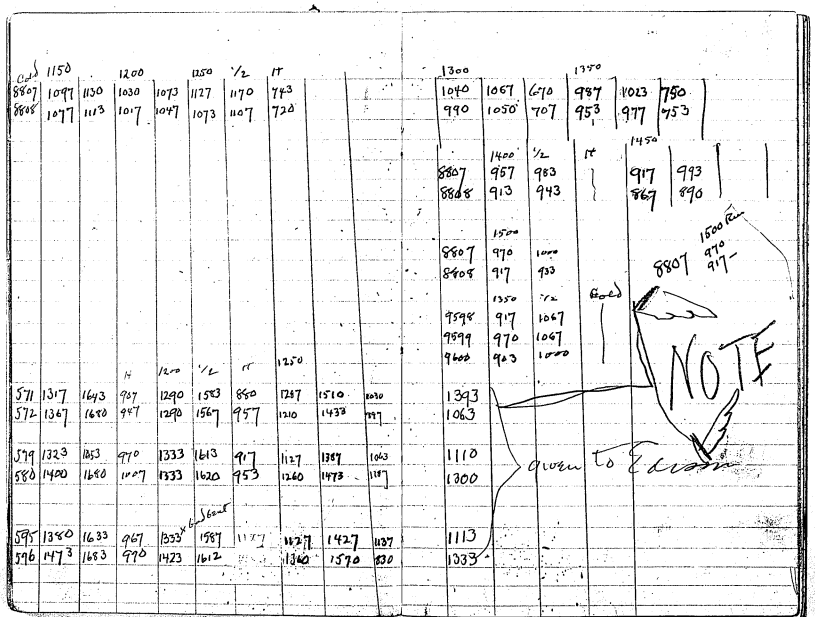
New 72

	1000	½	H	1050	.9 V	1100	1150	1200
8807	997	1087	903	1113	1153	933	1020	573
8808	1123	1210	1050	1080	1113	960	1033	637
8087	1060	1193	1063	850	963	677		
8088	1200	1330	1113	1110	1193	940		
8089	1207	1297	1107	1077	1140	867		
	950							
525	1110	1207	993	987	1060	663		
526	1057	1133	783	943	1020	613		
527	1110	1190	780	997	1093	680		
478								
479								
480								
571	1507	1650	847	1467	1663	937	1413	1717
572	1567	1650	890	1510	1663	1003	1487	1720
579	1353	1563	967	1460	1690	990	1467	1730
580	1433	1580	913	1533	1690	920	1487	1767
595	1627	1677	820	1577	1690	1007	1523	1600
596	1617	1690	820	1577	1700	1040	1580	1733

Selgovide

Please 3 ats more bent when new —

	1150	½	H
571			
572	1487	1720	950
579	1467	1730	857
580	1487	1767	943
595	1523	1600	947
596	1580	1733	967


NOTE
given to Evans

				50	½	H	100	½	H	150	½	H
739- Bi coated f few drops Cone Bi of Nitrof Boiled till clark, water not free of Of dried all night naturally .7500	891			1433	1537	690	1450	1600	1200	1467	1600	1097
	892			1440	1540	833	1423	1583	1183	1433	1587	1200
719- 4 h 104 f 26 grm Lot Bi 1300cc NHof 12 cc Bi of NHof- hot Chg ½ rate Twice discharge rate Reg 21K2Li 7.840	901			1273	1430	433	1277	1557	533	1363	1557	863
	902			1323	1440	370	1303	1500	510	1300	1483	667
Dup 901 Except run Reg chg + dis rate 26 grm Bi f Lot	903	1230		1330	1430	433	1330	1533	760	1393	1570	900
	904	1237		1350	1450	403	1340	1533	780	1393	1573	693
Use 718 + 26 grm Lot Bi f Chg Twice ½ rate discharge reg rate then run reg 21K2Li 7.418	905			1360	1437	407	1353	1457	557	1400	1493	967
	906			1380	1503	543	1420	1607	923	1397	1580	1027
739 — 104 f chg ½ rate twice - discharge rate hot — after each ½ rate change Run 21K2Li dont change last run 6 days hot	915			1330	1410	680	1347	1460	510	1373	1500	698
	916			1340	1410	680	1330	1437	527	1360	1487	670
Dup 915 using 26 grm Lot Bi flake	919			1410	1530	927	1467	1603	730	1423	1477	867
	920			1453	1547	923	1420	1620	933	1423	1487	907
739- 50% 104 f 50% old Lot Bi flake 7.375	925			1367	1447	455	1397	1497	533	1457	1553	750
	926			1360	1457	577	1420	1563	613	1473	1627	777
739 75% 104 f 25% old Bi flake	927			1297	1377	517	1353	1463	490	1390	1480	537
	928			1290	1367	633	1377	1483	497	1400	1557	587

	200	½	H	250	½	H	300	½	H
891	1413	1547	1137	1397	1530	1270	1343	1590	910
892	1417	1547	1183	1373	1537	1267	1443	1580	950
901	1383	1560	1067	1370	1583	1007	1417	1590	910
902	1333	1550	940	1323	1557	917	1383	1580	950
903	1407	1603	913	1357	1583	1050	1443	1590	783
904	1407	1583	757	1357	1583	1043	1467	1660	953
905	1433	1517	997	1417	1537	907	1340	1567	1013
906	1490	1587	1113	1417	1577	877	1350	1557	1113
915	1390	1453	663	1377	1513	770	1320	1483	627
916	1350	1483	700	1360	1490	760	1263	1443	593
919	1513	1560	557	1443	1593	867	1347	1667	1117
920	1500	1543	590	1453	1613	960	1380	1610	1060
925	1493	1570	877	1387	1467	807	1350	1603	767
926	1530	1597	1033	1437	1627	860	1367	1683	880
927	1413	1480	723	1373	1545	733	1283	1540	680
928	1460	1533	743	1420	1583	717	1183	1600	703

	350	½	H	400	½	H	450	½	H
	1323	1550	1167	1350	1520	923	977	1427	920
	1423	1540	1133	1440	1537	997	1250	1440	1290
	1370	1603	873	1353	1583	863	1130	1527	1050
	1367	1633	1127	1360	1640	1163	1110	1570	1080
	1417	1590	1133	1387	1607	1227	1233	1547	1140
	1433	1610	1137	1387	1610	1223	1233	1550	1130
	1370	1560	1100	1383	1587	1123	1180	1440	1045
	1227	1433	1083	933	1567	1067	1170	1483	1213
	1303	1553	733	1353	1627	800	1153	1550	743
	1267	1510	690	1327	1580	793	1157	1520	727
	1380	1687	1193	1427	1687	1283	1200	1597	1133
	1216	1593	1107	1333	1650	1233	1130	1600	1080
	1317	1723	967	1367	1733	1110	1217	1730	1043
	1357	1630	1060	1370	1690	1160	1267	1623	1120
	1250	1610	693	1333	1643	843	1167	1660	737
	1100	1597	680	1183	1577	743	1077	1533	710

Route

	500	½	H	550	½	H	600	½	H
891	1217	1303	604	1310	1400	793	1373	1460	810
892	1237	1323	653	1380	1463	857	1427	1510	1303
901	1357	1460	742	1380	1483	793	1333	1457	790
902	1417	1493	858	1393	1497	900	1357	1480	800
903	1400	1497	854	1367	1473	873	1310	1423	817
904	1400	1493	858	1380	1477	850	1333	1423	850
905	1387	1473	731	1360	1457	790	1317	1423	800
906	1327	1417	731	1293	1403	783	1277	1370	803
915	1327	1447	690	1373	1410	787	1257	1290	720
916	1303	1407	574	1273	1410	780	1220	1310	723
919	1440	1520	877	1280	1390	830	1243	1333	893
920	1417	1510	686	1307	1463	877	1293	1420	787
925	1533	1617	690	1437	1590	823	1277	1437	967
926	1460	1557	787	1327	1500	823	1263	1390	920
927	1360	1470	690	1330	1473	786	1210	1387	766
928	1307	1443	660	1150	1370	783	1100	1297	748

Part from Bainbridge to Groveland

	650	½	H	700	½	H	750	½	H
	1367	1493	950	1227	1420	773	1150	1300	857
	1450	1540	1007	1383	1517	803	1267	1463	963
	1353	1493	980	1300	1440	777	1177	1370	810
	1297	1410	893	1257	1403	760	1140	1333	797
	1260	1393	947	1153	1347	750	1070	1227	823
	1250	1373	863	1187	1320	747	1050	1253	758
	1303	1400	867	1053	1320	673	1073	1290	793
	1300	1437	873	1093	1353	747	1043	1227	793
	1163	1247	790	1041	1227	660	1013	1183	710
	1683	1733	773	1057	1190	660	917	1067	793
	1280	1390	863	1143	1320	793	993	1193	807
	1300	1437	877	1223	1403	727	1070	1263	823
	1267	1440	820	1117	1353	787	983	1197	767
	1247	1380	880	1193	1320	790	980	1180	720
	1157	1343	830	1053	1230	737			
	1130	1317	830	1060	1323	700			

800	½	H	850	½	H
891	1207	1390	920	1170	1367	874
892	1333	1547	990	1273	1533	940
901	1260	1420	893	1193	1353	877
902	1197	1377	890	1113	1313	857
903	1137	1307	897	1060	1237	857
904	1140	1290	847	1000	1143	803
905	1110	1313	837	1010	1343	793
906	1193	1367	967	1117	1327	850
915	1013	1123	997	933	1040	790
916	920	1013	717	867	1010	780
919	1123	1243	870	1017	1194	950
920	1133	1277	847	1023	1187	817
925	1000	1127	863	893	1050	790
926	1090	1193	913	983	1103	797

tube burst

900	½	H	
1093	1247	807	Set aside -
1273	1477	876	
1033	1143	833	Set aside
973	1087	823	
943	1070	777	
867	1027	767	burst + please Set & reside
883	1000	750	Set aside
980	1123	766	
917	1027	823	Set aside
920	1060	737	

NOTE

739 - 70 gram lot Bi flake	1172	1307
21K1√ 7500	1173	1320
	1174	1307
	1175	1310
	1176	1310
	1177	1307
854 - 159 f-	1612	1220
4.5 242	1613	1213
29 rms Bismuth fastened each tube	1614	1217
7.680 -		
854 159 flake	1690	993
Simple Tamp - Dump Green Run f Run Tamp	1691	1027
400 Rum 2 lb weight 5521	1692	1043
210 gms		
2½ lb.	1693	1107
	1694	1090
400 Rum 5902	1695	1100
1.92 gm M.062		
3 lb	1696	1123
	1697	1140
400 R 6027	1698	1120
189 M.062		
4 lb	1699	1173
	1700	1177
400 Rum 6333	1701	1190
188 M.062		

50	½	H	100	½	#	150	½	17
1343	1383	577	1323	1410	380	1397	1480	683
1387	1433	667	1383	1400	440	1487	1567	780
1380	1417	647	1383	1457	427	1410	1497	673
1367	1413	603	1347	1430	387	1420	1513	680
1350	1400	610	1340	1420	437	1430	1540	707
1387	1430	597	1373	1453	477	1383	1467	670
1343	1397	510	1377	1447	500	1327	1480	713
1300	1343	473	1343	1457	467	1243	1467	693
1313	1363	500	1347	1440	473	1280	1427	720
1103	1150	353	1117	1200	570	1060	1293	527
1173	1223	350	1183	1240	583	1167	1317	630
1170	1220	393	1187	1250	633	1160	1323	660
1227	1273	378	1250	1297	547	1220	1350	597
1177	1227	353	1210	1247	517	1193	1310	527
1193	1240	357	1230	1263	487	1197	1323	530
1240	1290	390	1277	1313	513	1223	1377	547
1247	1303	407	1283	1330	510	1200	1390	533
1250	1303	390	1283	1327	473	1223	1383	510
1280	1333	367	1303	1373	410	1197	1400	467
1267	1327	380	1317	1373	413	1253	1387	477
1280	1330	390	1327	1380	473	1253	1413	510

200	½	H	250	½	H	300	½	H
1172	1480	1620	1003	1438	1523	1300	1397	1543	1347
1173	1510	1757	1003	1527	1663	1377	1473	1600	1290
1174	1490	1667	1000	1550	1701	1433	1443	1557	1183
1175	1510	1663	1010	1550	1700	1427	1453	1573	1307
1176	1510	1680	1010	1490	1610	1303	1433	1543	997
1177	1317	1477	757	1407	1550	1353	1407	1547	1243
1612	1367	1530	780	1353	1537	777	1447	1497	760
1613	1290	1540	683	1323	1520	733	1450	1490	730
1614	1307	1517	667	1327	1550	50	1377	1470	783
1690	1120	1328	687	1133	1307	753	1240	1247	717
1691	1217	1420	670	1233	1423	897	1283	1350	757
1692	1120	1417	607	1137	1400	747	1240	1297	683
1693	1207	1450	593	1210	1430	700	1283	1340	660
1694	1207	1390	583	1167	1397	663	1280	1327	683
1695	1187	1383	603	1157	1397	667	1260	1337	593
1696	1213	1433	587	1183	1443	667	1297	1353	653
1697	1157	1460	580	1193	1470	703	1327	1393	663
1698	1153	1463	590	1193	1477	663	1297	1383	710
1699	1120	1457	573	1180	1427	527	1303	1390	713
1700	1207	1453	510	1153	1443	660	1297	1387	730
1701	1253	1473	597	1210	1477	627	1297	1387	720

350	½	H	400	½	H	450	½	H
1278	1527	1247	1340	1387	780	1320	1387	843
1347	1523	1127	1380	1413	803	1380	1413	810
1290	1437	1123	1333	1390	793	1333	1380	1003
1317	1540	1100	1393	1457	953	1363	1457	950
1327	1440	1080	1353	1400	847	1343	1390	870
1330	1493	1130	1390	1433	847	1377	1427	953
1410	1483	693	1320	1437	710	1400	1483	807
1393	1443	777	1330	1397	673	1393	1460	793
1360	1407	777	1313	1383	707	1333	1393	753
1227	1283	730	1190	1283	900	1060	1227	627
1230	1287	870	1177	1283	913	1063	1287	723
1183	1240	763	1120	1237	713	1000	1210	623
1223	1277	733	1153	1268	750	1153	1253	647
1180	1230	670	1153	1210	643	1127	1190	627
1167	1237	590	1100	1177	617	1060	1160	630
1190	1240	643	1133	1213	597	1077	1163	627
1193	1280	643	1167	1240	617	1067	1207	643
1217	1287	643	1127	1227	650	1133	1233	637
1243	1317	693	1217	1277	767	1183	1253	657
1247	1327	733	1193	1277	747	1157	1253	683
1230	1313	727	1167	1277	747	1157	1253	660

500	½	ft	550	½	ft
1612	1287	1423	720	1330	1430	727
1613	1300	1397	790	1333	1430	723
1614	1253	1343	737	1283	1360	720
1690	1287	1237	643	1080	1197	707
1691	1040	1243	687	1087	1190	720
1692	967	957	673	1047	1130	703
1693	1127	1243	667	1140	1197	703
1694	1096	1157	670	1187	1217	660
1695	1033	1107	690	1140	1187	657
1696	1033	1130	693	1120	1193	657
1697	1017	1153	683	1123	1193	700
1698	1093	1177	677	1123	1190	713
1699	1157	1243	683	1187	1257	723
1700	1127	1247	700	1167	1250	727
1701	1100	1217	693	1153	1230	710

600	½	ft				700		
1297	1400	793	1247	1387	857	1167	1327	783
1250	1383	787	1240	1393	857	1213	1380	830
1267	1323	710	1243	1333	790	1157	1290	817
1050	1117	647						
1073	1133	723						
990	1058	723						
1103	1147	787						
1097	1133	768						
1037	1110	790						
1033	1090	793						
1027	1073	803						
1050	1110	823						
1123	1160	810	1050	1120	797			
1108	1190	817	1083	1157	787			
1100	1160	800	1030	1100	757			

	800			850	1/2	CT
1612	990	1170	627	847	1047	670
1613	1000	1173	570	917	1050	667
1614	1033	1187	703	1013	1100	660

820	863	587
917	967	627
913	960	630

				50	½	ft	100	½	ft	150	½	ft
4½ lb	1702	1180		1280	1333	390	1317	1400	450	1160	1490	493
	1703	1177		1257	1317	403	1310	1357	480	1263	1440	523
400 Rm	1704	1157		1257	1327	367	1317	1383	477	1273	1403	510
192 grm 6399 Nichols												
5 lb	1705	1183		1303	1353	387	1340	1390	473	1300	1440	523
	1706	1167		1230	1297	360	1280	1330	447	1217	1363	513
400 Rm	1707	1177		1287	1350	383	1330	1380	483	1297	1423	580
201 grm 6445 Nichols												
RA 1164- 4.2 24.1 Dump Gthen f-Temp	1885	1047		1210	1273	247	1287	1350	320	1277	1380	400
294 D	1886	1080		1267	1320	240	1363	1420	370	1357	1447	423
6.971 Grm 8105	1887	1077		1197	1307	243	1300	1390	387	1300	1420	377
Goldstein 128	2565	1213		1357	1443	620	1347	1387	317	1353	1380	517
BISMUTH 1.7%	2566	1230		1390	1463	610	1347	1387	433	1363	1418	400
15/fine m ft 7470												
Goldstein 125	2603	1197		1290	1363	520	1307	1353	497	1300	1353	540
BISMUTH 1.7%	2604	1213		1293	1363	430	1310	1343	497	1300	1347	527
7.380										400	½	ft
Goldstein 216	2750	1140		1373	1403	742	1410	1430	840	1333	1453	587
159 f 4.2 23.5 2588 BISMUTH 6.8%	2751	1153		1310	1427	652	1413	1440	757	1400	1527	683
23/fine, 5.658 Nichols 7.180										400	½	ft
Goldstein 144 250 D 261 f grm	2752	1203		1370	1390	720	1480	1498	793	1393	1490	813
Strong off-cornd BISMOTH 5.10%	2753	1193		1377	1397	808	1443	1463	890	1360	1447	887
by Nichols 5.990 Nichols 6.930												
Goldstein 145	2774	1263		1373	1393	347	1390	1423	433			
8.280	2775	1250		1353	1370	293	1387	1440	433			

200	½	H	250	½	H	300	½	H
1702	1207	1510	610	1210	1510	677	1323	1393	663
1703	1207	1530	657	1193	1540	687	1360	1443	683
1704	1230	1530	707	1247	1530	743	1400	1467	747
1705	1253	1543	683	1233	1553	777	1433	1513	780
1706	1213	1423	600	1233	1407	687	1337	1400	697
1707	1260	1560	720	1277	1603	803	1433	1503	760
1885	1270	1450	521	1413	1453	553	1330	1397	580
1886	1287	1543	523	1540	1580	627	1390	1477	597
1887	1263	1473	520	1473	1523	577	1383	1443	627
2565	1293	1357	603	1343	1433	587	1253	1330	663
2566	1343	1407	697	1397	1500	587	1290	1390	670
2603	1353	1423	753	1287	1357	557			
2604	1337	1403	667	1293	1330	563			
2750	1393	1497	850	1391	1500	643	1410	1540	
2751	1473	1553	900	1463	1547	693	1530	1608	
2752	1447	1550	863	1267	1443	903	1373		
2753	1363	1490	877	1213	1383	900	1370		
2774									
2775									

NOTE

350	½	H	400	½	H	450	½	H
1210	1290	693	1180	1283	740	1187	1283	647
1247	1347	760	1230	1340	737	1190	1293	680
1300	1377	783	1280	1373	780	1227	1357	660
			1330					
1360	1423	807	1297	1440	780	1240	1353	690
1307	1380	760	1247	1333	703	1187	1263	610
1450	1547	893	1337	1473	850	1258	1463	777
			1397					
1283	1367	570	1223	1220	660			
1260	1380	590	1153	1260	713			
1323	1413	600	1230	1353	697			
			1240	1317	670	1140	1207	790
			1233	1373	730	1107	1293	753
550	½	H						
1487	1600	863						
1583	1667	934						
1487	1600	847						
1467	1583	847						

	500	1/2	H	550	1/2	H
1702	1071	1210	700	1167	1250	704
1703	1127	1260	723	1197	1300	747
1704	1200	1330	743	1250	1343	777
1705	1157	1307	760	1263	1383	807
1706	1167	1280	697	1240	1307	750
1707	1213	1363	840	1290	1427	832
	500					
2564	1057	1190	820			
2566	980	1187	787			
	600	1/2	H	650	1/2	H
2750	1423	1540	840	1400	1547	933
2751	1527	1630	973	1480	1660	937
2752	1313	1473	797	1217	1397	937
2753	1243	1402	810	1117	1297	850

	600	1/2	H	650	1/2	H
	1107	1173	843	1053	1127	783
	1117	1193	850	1080	1180	783
	1157	1230	890	1133	1233	790
	1160	1267	897	1167	1260	797
	1170	1277	847	1193	1260	797
	1193	1303	900	1167	1300	750
	700			750		
	1360	1530	800	1467	1593	920
	1440	1587	910	1430	1573	977
	897	1023	757	870	970	843
	820	970	747	843	933	853

	700	½		750	½	1T				
1702	1010	1067	733	9						
03	963	1067	780							
04	1055	1040	793							
1705	1157	1153	817	997	1090	807	817	930	687	
06	1103	1173	763	1040	1090	780	927	993	800	
07	1103	1173	847	1017	1090	817	863	927	758	

4lbs beef but chunk ou 3½ ok

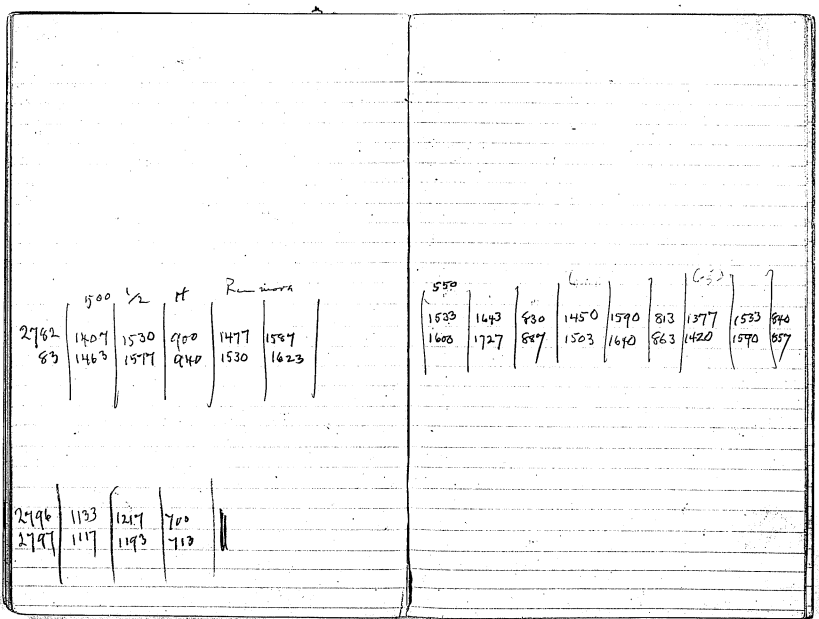
3½

Put three cells aside for 2 rem

	850 .9	½	H.	850 .9	½	H.			
2750	1450	1592	873	1067	1167	877	947	1027	857
2751	1333	1693	870	1027 Sel/cut mixed	1157	890	837	857	800

			50	½	H	100	½	H	150	½	H
CO-Duplicated	2603	1197	1290	1363	520	1307	1353	497	1300	1353	540
	2604	1213	1293	1363	430	1310	1343	497	1300	1347	527
Goldstein 152 BISMUTH 1.7% 7.165	2776	1197	1413	1427	507	1457	1473	673	350 1287	1367	503
	2777	1200	1380	1393	543	1443	1463	473	1273	1367	867
Goldstein 182 7.940	2778	1287	1410	1433	413	1460	1480	447			
	2779	1263	1413	1433	437	1460	1490	447			
Goldstein 195 7.610	2780	1233	1373	1393	340	1420	1440	453			
	2781	1253	1367	1371	360	1427	1443	540			
Goldstein 209 BISMUTH. 5.10%. 7.120 5744 Mons	2782	1113	1397	1417	730	1393	1440	840	1400	1467	750
	2783	1133	1450	1483	667	1387	1437	790	1400	1460	863
Goldstein 181	2792	1240	1353	1367	340	1390	1423	530	1390	1427	503
	2793	1240	1350	1373	397	1397	1430	503	1400	1433	503
Goldstein 212 7980	2794	1267	1397	1423	380	1410	1437	487	1400	1433	497
	2795	1257	1400	1427	337	1410	1437	453	1400	1433	497
Goldstein 219 7.665	2796	1243	1320	1340	313	1353	1380	407	1323	1353	483
	2797	1243	1347	1363	317	1347	1397	407	1360	1390	530
Goldstein 215 6.05% BISMUTH. 5.10% 7.510	2784	1213	1450	1480	763	1413	1453	890	1433	1490	903
	2785	1216	1450	1477	767	1427	1473	867	1440	1490	903

300				350	1/2	1T		400	1/2	1T				
	1273	1330	600											
	1280	1287	543											
2776	1327	1393	823	1293	1383	863		1057	1233	803				
2777	1320	1390	817	1300	1383	857		1073	1207	810				
2782	1387	1493	823	1433	1583	897		1433	1543	930	1520	1600	907	
2783	1430	1517	947	1467	1593	890		1440	1560	900	1503	1583	877	
2792	1317	1383	620	1303	1357	623		1220	1300	707	1177	1243	793	
2793	1297	1383	630	1237	1380	627		1180	1317	757	1152	1307	763	
				1260	1307	617		1187	1280	763	1173	1247	793	
				1263	1313	657		1190	1267	753	1173	1247	762	
	400	1/2	1T	450										
2784	1187	1280	633	1123	1230	737								
2785	1200	1320	683	1148	1267	800								


1500
1/2
H
Rumors
2762
83
1407
1463
1530
1517
900
940
1477
1530
1584
1623
2796
2797
1133
1117
1217
1193
700
713
550
1533
1608
1143
1727
830
887
1450
1503
1590
1640
813
863
1377
1420
1533
1590
840
857

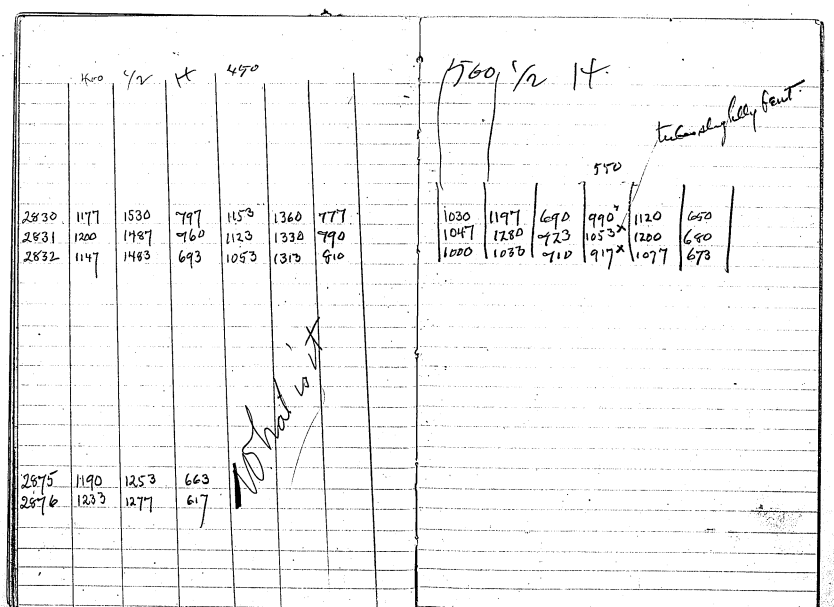
2782	1010	1223	780	
2783	1177	1383	660	

Goldstein 222	2798	1180	
	2799	1183	
7955			
Goldstein 224	2800	1200	
	2801	1260	
8,100.			
upto bands 12			
1164 159f 24 green than 4 f Then 24 green	2830	1267	
or 4f then Tampa 48 green + 8f to lamp	2831	1260	
2880 D	2832	1287	
6545 moth. 7 700			
Goldstein 170	2869	1253	
297 D 6915 moth. 8185	2870	1247	
18½ times gritty some bleach			
Goldstein 171.	2871	1227	
318 D 6970 green 8,200	2872	1253	
Some bleach			
Goldstein 218 303 D	2873	1243	
6975 moth 8 230	2874	1220	
15½ times			
Goldstein 223	2875	1253	
6581 moth, 7 743	2876	1223	
Goldstein 220	2877	1217	
325 D 8 520	2878	1240	
Gritty Greenish, bleach			

50	½	H	100	½	H	150	½	H
1337	1353	203	1410	1450	403	1383	1410	520
1347	1363	277	1413	1447	403	1370	1410	520
1337	1350	327	1363	1387	397	1343	1370	477
1400	1407	417	1367	1460	397	1440	1473	550
1403	1423	443	1467	1493	480	1453	1487	580
1400	1410	393	1467	1500	407	1420	1447	473
1413	1433	373	1487	1507	430	1463	1490	680
1390	1410	383	1440	1460	767	1463	1503	533
1360	1373	313	1403	1423	630	1427	1460	533
1353	1367	300	1377	1407	637	1400	1437	587
1377	1387	307	1393	1413	577	1420	1453	553
1360	1377	310	1377	1407	517	1407	1453	590
1333	1353	270	1373	1380	443	1343	1383	480
1400	1417	273	1430	1450	560	1455	1487	443
1323	1340	277	1340	1370	497	1343	1387	487
1303	1317	320	1333	1360	527	1333	1388	457
1347	1367	363	1380	1410	540	1380	1433	550

	200	½	H	250	½	H	300	½	H	350	½	H
2800	1293	1347	430									
2801	1313	1387	497									
2830	1413	1483	490	1400	1490	680	1340	1450	660	1333	1577	777
2831	1403	1460	507	1367	1467	610	1323	1440	693	1380	1548	773
2832	1433	1483	507	1347	1460	647	1273	1450	457	1223	1587	770
2869	1477	1517	860									
2870	1400	1447	660									
2871	1380	1387	547									
2872	1347	1390	483									
2873	1323	1380	480									
2874	1290	1337	533									
2875	1387	1443	650	1317	1350	547	1280	1307	420	1230	1293	687
2876	1350	1407	673	1300	1333	563	1263	1300	420	1257	1313	683
2877	1323	1387	657									
2878	1380	1440	693									

Ring Gretsch

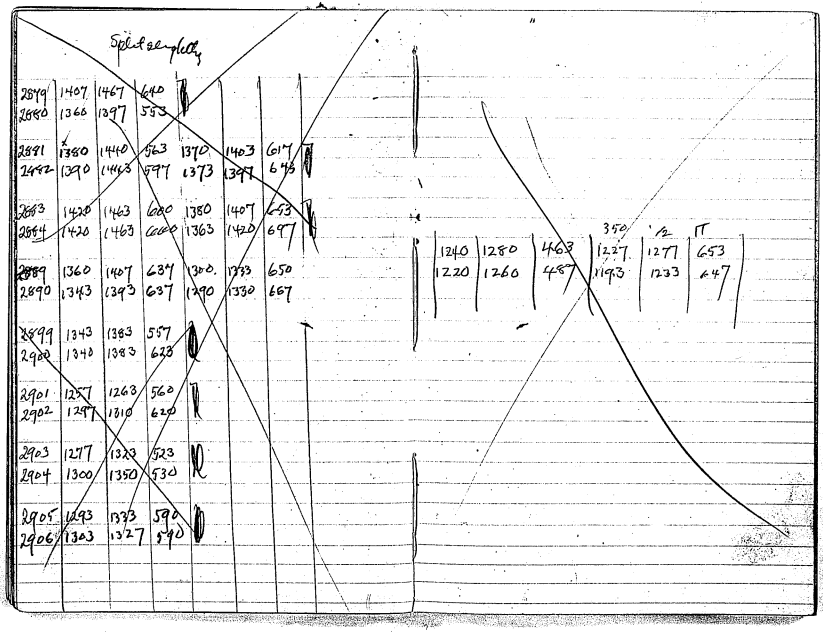


Burned 3 places

2830	920	1043	688	857	910	610
2831	1017	1113	673	863	920	627
2832	980	1040	597	787	863	660

Edison Manufacturing Co

				50	½	H	100	½	H	150	½	H
Goldstein 225			2879	1253	1403	1419	381	1440	1463	570	1450	1490	567
290 D		8.080	2880	1237	1363	1373	320	1383	1407	537	1410	1440	507
Little black kernels													
Goldstein 226			2881	1203	1330	1350	327	1380	1413	530	1393	1450	537
330 D		8689 S	2882	1217	1353	1370	280	1390	1417	563	1420	1457	510
Hard blueish quite some Black													
Goldstein 227			2883	1233	1363	1377	297	1400	1427	547	1433	1470	513
328 D		8450	2884	1223	1350	1367	283	1383	1410	580	1427	1460	520
quite some black													
Goldstein -			2889	1250	1350	1363	300	1377	1387	633	1383	1413	517
272 D	6375 moth	7500	2890	1230	1333	1350	293	1387	1387	750	1390	1427	517
Goldstein 251			2899	1193	1290	1317	437	1347	1370	520	1407	1430	523
306 D		8585	2900	1173	1286	1317	553	1360	1383	527	1417	1447	510
Some black													
Goldstein 252			2901	1083	1183	1196	413	1257	1303	533	1283	1317	490
313 D		8.682 S	2902	1153	1240	1260	447	1290	1310	560	1350	1373	573
1327 f													
Goldstein 253			2903	1297	1293	1310	343	1287	1313	350	1333	1377	490
297 D		8.220	2904	1213	1293	1317	330	1307	1323	350	1317	1373	573
Goldstein 165			2905	1177	1263	1277	340	1310	1327	334	1347	1373	587
310 D		8 717	2906	1167	1253	1267	330	1290	1317	340	1350	1377	603
Some black													
			2907	1170	1253	1277	337	1287	1310	370	1376	1390	583
			2908	1143	1233	1247	333	1263	1283	357	1310	1353	533


Splice splitting
2879 1407 1467 640
2880 1366 1397 583
2881 1380 1440 563 1370 1403 617
2882 1390 1463 597 1373 1397 645
2883 1420 1463 600 1380 1407 653
2884 1420 1463 600 1363 1420 697
2889 1360 1407 634 1300. 1333 650
2890 1343 1393 637 1290 1330 667
2899 1343 1383 557
2900 1342 1383 628
2901 1257 1263 562
2902 1297 1310 620
2903 1277 1323 523
2904 1300 1350 530
2905 1293 1333 590
2906 1303 1327 590
1240 1280 463 1227 1277 653
1220 1260 487 1193 1233 647
350
12
π

2869	1120	1203	567	
2890	1147	1200	580	

			50	½	H	100	½	H	150	½	H
* Ask Arcadi about the difference											
1164- 1123f 4:1 48	3025	1173	1380	1397	380	1460	1487	470	1453	1480	560
2 grms BISMUTH fastened each tube. 7560	3026	1187	1350	1363	397	1393	1430	420	1360	1393	513
Dep 3025	3027	1187	1357	1367	563	1407	1443	417	1400	1430	570
1 grm BISMUTH.	3028	1183	1333	1350	587	1377	1400	417	1350	1363	583
Dep 3025	3029	1180	1310	1313	573	1317	1343	390	1310	1313	533
½ grm BISMUTH,	3030	1200	1367	1383	597	1403	1440	390	1310	1333	543
RA 734 Containing 16.8% Bismuth	3031	1183	1377	1380	927	1463	1483	1050			
4:1 48 green *	3032	1160	1340	1350	790	1543	1560	1040			
7455											
Gabdolzin 214	3049	1233	1360	1370	720	1387	1427	783	1380	1440	877
supersaturated 2870	3050	1243	1397	1417	763	1463	1503	887	1420	1550	920
8.5% BISMUTH. 7570											
1164- 4- 48	3317	1240	1290	1323	250	1370	1383	460	1310	1320	337
1123f 2 grms MgO autop each cell	3318	1250	1330	1350	307	1403	1417	523	1330	1357	367
7280	3319	1227	1317	1327	307	1343	1353	440	1333	1347	413
16.8% Bi 734 1123f *	3320	1273	1603	1607	913	1650	1653	1053	1550	1583	937
4:1 47.8 1470	3321	1270	1630	1633	920	1650	1653	1127	1537	1547	950
7459	3322	1280	1613	1617	920	1637	1640	1103	1537	1543	940
1164- mixed with 15% K_2CO_3 thaw 30 on 190	3325	883	1180	1190	403	1387	1403	433	1183	1213	536
4:1 48.4	3326	867	1177	1187	433	1400	1417	433	1123	1143	533
1340 7 used											

	200	1/2	H	250		
3025	1443	1470	597	1323	1367	620
3026	1313	1360	503	1247	1277	610
3027	1350	1393	477	1247	1255	637
3028	1317	1373	510	1240	1297	667
3029	1293	1323	493	1213	1243	593
3030	1343	1387	467	1243	1320	593
3031	1400	1433	1030	1450	1493	1007
3032	1517	1553	997	1448	1490	1000
3049	1267	1453	710	1333	1453	763
3050	1347	1500	963	1373	1500	733
3320				1550	1583	937
3321				1537	1547	950
3322				1534	1543	940

	300	1/2	1	H	350	1/2	H	400	1/2	1F
3025	1267	1353	757		1267	1333	783			
3026	1233	1280	750		1167	1260	780			
3027										
3028										
3029										
3030										
3031	1647	1700	1047		1553	1653	1013	1560	1590	1017
3032	1630	1693	1040		1500	1687	997	1487	1543	913
3049	1283	1503	870		1200	1463	667	1100	1363	753
3050	1313	1553	870		1263	1577	973	1200	1533	810
3320	1507	1567	833		1586	1620	787	1573	1627	900
3321	1533	1640	1020		1520	1613	733	1533	1663	977
3322	1373	1627	1073		1570	1623	787	1573	1613	917

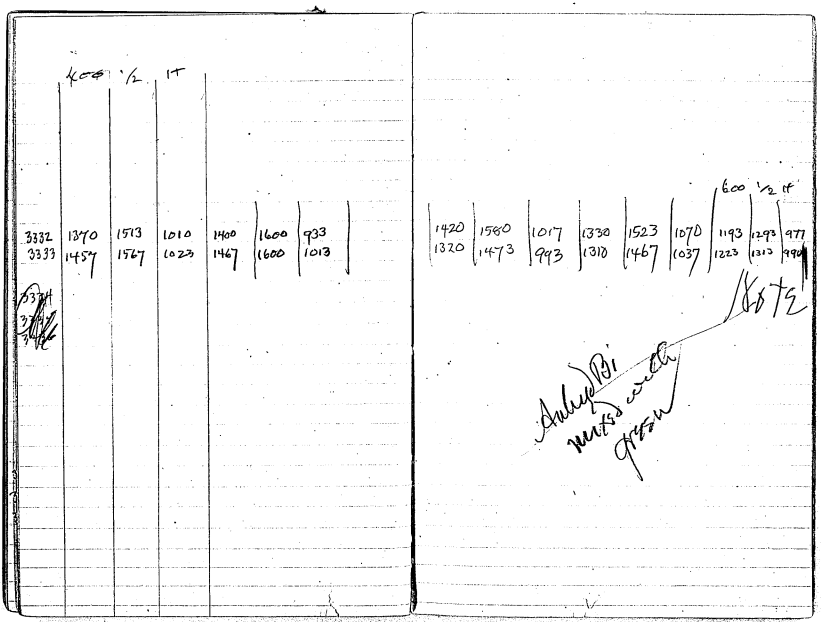
	450	1/2	H	800	1/2	850	1/2	H								
3031	1583	1627	950	1517	1573	1535	1617	1060	1383	1543	850					
3032	1587	1643	1000	1533	1600	1437	1580	903	1457	1580	957					
3049	1187	1383	810													
3050	1267	1507	830													
3320	1467	1653	907	1387	1613	940			1350	1517	873	1360	1517	990		
3321	1400	1640	830	1383	1647	967			1383	1493	823	1280	1520	1023		
3322	1583	1653	933	1473	1620	953			1427	1533	1077	1383	1530	973		

			50	½	H	100	½	H	150	½	H
Dup 3225 25% K_2CO_3 6828	3327	550	793	807	447	870	903	603	887	950	587
	3328	543	787	800	537	830	855	567	857	923	607
1164 – 21K 2Li + 2 grms Magnesium hydroxide on 2 each calc 4. 1458 7327	3329	1243	1317	1333	437	1413	1437	497	1393	1433	513
	3330	1250	1330	1360	434	1427	1447	407	1293	1458	510
	3331	1250	1333	1360	420	1413	1450	407	1343	1390	523
1129 (1164) mixed with 15% BISMUTH OXIDE Anhy – Item 30 on 190. 4 485 152D 7950	3332	1327	1617	1623	937	1647	1657	997	1567	1583	937
	3333	1330	1583	1590	937	1577	1583	1017	1567	1587	980
1129 – 4 – 483 2 grms Bismuth metal Connected to resh pockets of each calc 1462D 7380	3334	1247	1353	1367	453	1393	1413	463			
	3335	1257	1360	1373	457	1443	1463	527			
	3336	1243	1347	1357	450	1427	1457	583			
			600			700					
985 to 739 34 wts of 4 after 530 Rem 2 grms 181 put to each tube – 1128 1298 666 1120 1330 717	985		1160	1323	800	993	1090	667			
	986		1130	1307	783	993	1233	710			
1164 – 1129 of 41.24 Dump green then flake 4 times Then temp 2800 7548	3061	1160	1263	1283	487	1290	1317	440	1320	1350	583
	3062	1167	1263	1287	460	1297	1333	517	1320	1357	543
	3063	1157	1273	1300	478	1343	1340	520	1320	1360	500
			1100	½	H	1200			1250	½	H
	9598		1043	1133	717	960	1057	743	936	1007	
	9599		1063	1127	753	933	1050	753	957	1037	
	9600		1030	1100	723	897	967	737	937	967	

	200	1/2	H	250	1/2	H
3332	1700	1750	1057	1613	1650	1073
3333	1700	1750	1057	1620	1647	1050
3334	1310	1377	687	1267	1360	720
3335	1310	1360	640	1260	1393	723
3336	1353	1383	650	1277	1400	680
3061	1310	1340	667	1313	1360	687
3062	1303	1340	623	1303	1367	630
3063	1300	1370	587	1300	1367	623
	13[illegible]	1/2	[illegible]			
9598	867	977	730			
9599	890	993	690			
9600	867	973	540			

	300	1/2	H	350	1/2	H
	1600	1780	1047	1467	1567	883
	1620	1720	1073	1493	1567	897
	1147	1253	677			
	1123	1263	637			
	1193	1330	613			
	400			450		
	1253	1460	747	1153	1317	767
	1260	1457	727	1267	1383	770
	1260	1457	683	1120	1267	707

NOTE


400 1/2 IT
3332 1370 1513 1010 1400 1600 933
3333 1457 1567 1023 1467 1600 1013
1420 1580 1017 1330 1523 1070 1193 1293 977
1320 1473 993 1318 1467 1037 1223 1313 990
600 1/2 IT
NOTE
Analysis
runs with
grain

Notebook, N-13-10-15.2

854 – 2 grms soft Iron connected to Each in Tube	3842	1197	1350	1370	383	1243	1258	470					
	3843	1197	1233	1247	370	1227	1243	457					
Dup 3842 - 2 Bi, 2 Te to each tube	3844	1190	1243	1250	387	1227	1243	457					
	3845	1197	1257	1267	400	1233	1247	437					
854 – 2 grms Thallium Connected Each tube	3846	1193	1143	1183	117	1163	1170	213	1153	1160	363		
	3847	1220	1177	1187	117	1193	1200	973	1240	1250	463		
Dup 3846 2 Bi 2 Thallium Each tube	3848	1197	1233	1273	117	1197	1207	393	1267	1277	573		
	3849	1193	1227	1223	117	1150	1157	810	1220	1227	460		
854 – 2 grms Copper Connected Each tube –	3850	1247	1293	1303	393	1260	1273	447					
	3851	1247	1267	1280	347	1240	1260	497					
Dup 3850 2 Bi 2 Cu to Each tube.	3852	1243	1280	1287	350	1253	1270	537					
	3853	1227	1297	1307	380	1283	1277	587					
854 – 2 grms Silver connected Each tube –	3854	1190	1220	1230	380	1223	1233	573					
	3855	1240	1250	1260	410	1257	1273	540					
Dup 3854 2 Bi, 2 Ag te Each tube	3856	1223	1310	1327	363	1263	1287	520					
	3857	1220	1313	1323	387	1263	1287	520					
854 2 grms Gold connected Each tube –	3858	1197	1260	1270	447	1220	1267	496					
	3859	1208	1290	1300	410	1250	1267	493					

Note –

No Se Ta or Zr could be found

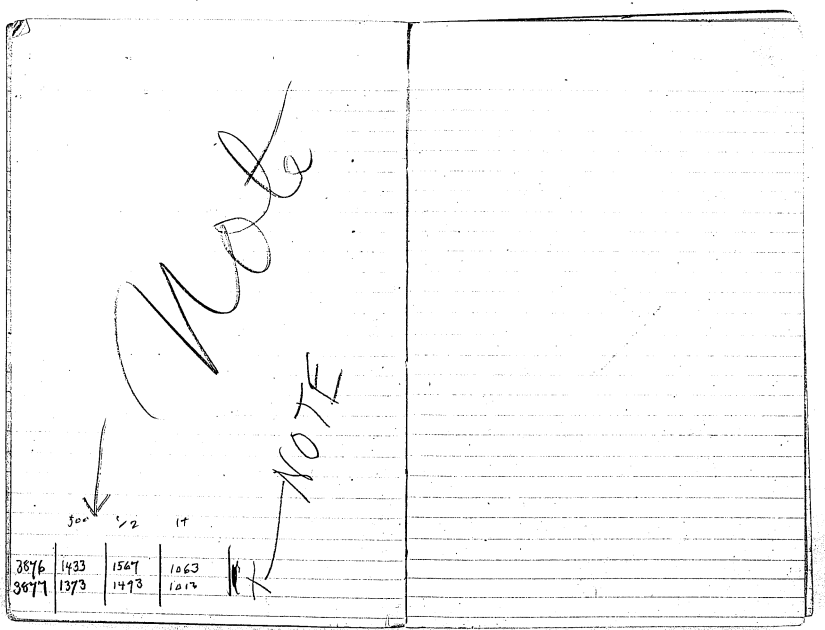
	Note			5D	1/2	Hot	100	V2	Hot
Dep 3858 2Bi 2 Au Connected Each Lobe —	3860	1193		1293	1303	447	1243	1263	493
	3861	1200		1253	1263	410	1220	1240	473
854 - 2 gms Rhodium 6 Lobe m source Lobe connected to Ni Lobe.	3862	1110		1123	1143	517	1193	1260	377
	3863	1117		787	1167	423	1200	1340	330
Dep 3862 2Bi 2 Zr to Each Lobe -	3864	1110		777	1157	407	1183	1220	350
	3865	1087		1067	1110	433	1167	1200	163
854 - 2 gms Rhodium connected Each Lobe	3866	1110		1180	1193	293	1183	1190	337
	3867	1067		1157	1147	293	1207	1213	347
Dep 3866 - 2Bi 2 Rhodium Connected Each Lobe.	3868	1080		1167	1187	263	1193	1200	327
	3869	1083		1157	1240	267	1257	1273	330
Goldstein 474 - 4 - 27 - 235D X 7031 Dropping Int - 4% BISMUTH 7017	3870	1260		1500	1573	897	1643	1713	897
	3871	1260		1483	1580	900	1627	1690	957
Goldstein 478 - 5% Bi Ph mod - 241D X 7193 7180 Soft Lucky BISMUTH	3872	1263		1327	1360	650	1407	1460	697
	3873	1257		1330	1360	767	1463	1497	753
Goldstein 479 - 298 mah per gram 10% Bi Phosphomolybd 245D X 7405 - 7425 Soft Lucky BISMUTH	3874	1213		1490	1547	847	1717	1733	960
	3875	1210		1467	1553	847	1657	1733	887
Goldstein 480 BISMUTH 7343 248D X 7373 Soft Lucky 15% Bi Phosphomolybd	3876	1227		1490	1583	923	1667	1683	940
	3877	1220		1457	1490	960	1647	1663	903

NOTE

	150	½	H	200	½	H
3870	1617	1703	1087	1523	1640	1053
3871	1600	1667	1207	1533	1647	1053
3872	1367	1477	930	1283	1467	857
3873	1413	1490	983	1313	1527	900
3874	1660	1760	1093	1523	1687	1090
3875	1667	1773	1027	1500	1713	1047
3876	1717	1800	1113	1550	1787	997
3877	1683	1760	917	1533	1757	993

	250	½	H	300	½	H	
	1553	1643	1090	1573	1640	1067	X
	1570	1653	1087	1583	1647	1047	
Rewelded	1200	1367	863	1300	1443	[illegible]	
	1307	1480	943	1430	1533	[illegible]	
	1593	1683	1017	1613	1687	883	X
	1583	1680	1033	1613	1680	1097	
	1657	1750	1091	1667	1733	1053	
	1593	1740	1000	1640	1750	1070	

	~~350~~			350	½	11	400	½	cc	450	½	11				
3870				1533	1600	1030	1410	1543	1057	1310	1550	1037				
3871				1567	1640	983	1483	1577	1057	1453	1583	990				
	300	½	cc													
3872	1320	1457	917													
73	1397	1493	1010													
3874				1573	1680	877	1500	1620	1103	1383	1617	1487	1650			
3875				1520	1600	1017	1297	1433	1143	1307	1533	1353	1520			
										400, bad 9 Plum Pudding						
3876				1570	1707	1003	1413	1563	1167	1517	1427	1580	1030			
3877				1600	1707	990	1440	1640	1237	1590	1430	1640	1057			


Note
NOTE
for
1/2
If
3876 1433 1567 1063
3877 1373 1493 1013

Goldstein 481 – 2.5% Bihydroxide BISMUTH	2460	×	7 616 / 7 660	3878 / 3879	1207 / 1223		1507 / 1493	1550 / 1533	853 / 910	1667 / 1660	1700 / 1667	777 / 973
Goldstein 482 – 7.5% Bihydrox BISMUTH	2420	×	7 188 / 7 183	3880 / 3881	1210 / 1227		1457 / 1440	1550 / 1550	860 / 837	1600 / 1547	1667 / 1733	907 / 880
Goldstein 483 – 12.5% Bihydrox BISMUTH	2570	298 mah per gram	7 744 / 7 708	3882 / 3883	1260 / 1233		1507 / 1543	1587 / 1593	883 / 803	1707 / 1707	1733 / 1767	963 / 850
Goldstein 484 – 15% Bihydrox BISMUTH	2430	×	7400 / 7421	3884 / 3885	1227 / 1230		1490 / 1517	1530 / 1583	913 / 897	1693 / 1700	1710 / 1687	843 / 1017
Goldstein 485 – 17.5% Bihydrox BISMUTH	2530	339 mah per gram	7649 / 7639	3886 / 3887	1233 / 1243		1540 / 1507	1567 / 1550	1087 / 1003	1640 / 1670	1687 / 1677	1037 / 1000
Goldstein 486 – Soft Gucky 2% Bihydrox	BISMUTH 2810	×	6976 / 6971	3888 / 3889	1233 / 1217		1310 / 1297	1327 / 1307	613 / 597	1383 / 1377	1423 / 1403	600 / 583
Goldstein 487 – 4% Bihydrox Bucky	BISMUTH 2450	×	7228 / 7200	3890 / 3891	1243 / 1240		1353 / 1363	1407 / 1400	993 / 807	1467 / 1463	1523 / 1507	797 / 773
Goldstein 488 – 6% Bihydrox	BISMUTH 2430		7 340 / 7 273	3892 / 3893	1253 / 1233		1413 / 1393	1470 / 1463	807 / 783	1557 / 1510	1593 / 1553	847 / 753
Goldstein 487 – Bucky 9% Bihydroxy	BISMUTH 2350		7 022 / 7 001	3894 / 3895	1223 / 1220		1447 / 1450	1517 / 1527	893 / 843	1617 / 1600	1653 / 1680	917 / 917

Note

NOTE

AK

	150	1/2	H	200	1/2	H
3878	1643	1800	923	1317	1800	1073
3879	1643	1800	1070	1517	1747	1097
3880	1587	1663	1117	1500	1647	1067
3881	1500	1687	1117	1443	1667	957
3882	1653	1743	1210	1467	1723	1070
3883	1653	1737	1240	1517	1717	1070
3884	1657	1733	1210	1523	1673	1093
3885	1663	1750	1170	1583	1733	1087
3886	1703	1757	1073	1493	1667	1167
3887	1653	1683	1280	1567	1650	1100
3888	1327	1433	800	1290	1420	767
3889	1333	1413	763	1267	1400	957
3890	1380	1527	910	1293	1533	853
3891	1420	1527	907	1317	1520	853
3892	1490	1600	997	1453	1600	943
3893	1460	1560	960	1447	1587	937
3894	1587	1663	1150	1517	1683	1050
3895	1593	1663	1140	1517	1693	1043

	250	1/2	1H	300	1/2	H			
	1567	1767	1023	1500	1753	1040			
	1600	1763	1200	1567	1727	917			
	1520	1617	1023	1577	1687	1090			
	1480	1620	1000	1473	1593	990			
	1583	1747	1127	1630	1723	1073			
	1637	1757	1087	1640	1730	1050			
	1573	1710	1167	1633	1717	1003			
	1597	1723	1047	1710	1760	1003			
	1533	1760	1323	1607	1727	800			
	1550	1717	1143	1557	1683	1047			
	1200	1413	767						
	1217	1383	867						
				Rest time			3m	1/2	1H
	1233	1460	900	1367	1493	1467	1567	1567	1023
	1230	1447	870	1357	1480	1443	1547	1547	1020
	1413	1577	970	1533	1620				
	1360	1527	920	1467	1567				
	1560	1650	1067	1600	1667	1523	1597	1597	1153
	1493	1573	977	1523	1600	1457	1550	1550	1043

3333 / 1600

	340	½	14	400	½	14
3878	1533	1730	933	1333	1680	1213
3879	1533	1790	940	1310	1720	1237
3880	1520	1583	970	1483	1593	1097
3881	1467	1577	937	1380	1573	1063
3882	1577	1680	963	1383	1533	1187
3883	1533	1643	1017	1353	1527	1180
3884	1600	1707	990	1423	1550	1170
3885	1650	1727	993	1487	1617	1180
3886	1577	1793	953	1467	1697	1083
3887	1467	1600	1117	1313	1467	1117
3890	1363	1447	867	1213	1400	867
3891	1467	1553	930	1267	1487	900
3892	1567	1647	993	1467	1600	980
3893	1523	1600	957	1467	1580	1003
3894	1600	1657	983	1510	1600	1040
3895	1533	1633	973	1452	1563	1017

400 Get 9 Runs on board

1450	1697	1493	1747	917	1473	1680	1093	
1527	1723	1340	1693	940	1347	1550	1007	
1543	1600	1467	1583	963	1340	1463	957	
1523	1593	1300	1550	960	1200	1443	947	
1447	1590	1133	1450	1050				
1423	1580	1267	1427	1063				
1480	1597	1353	1527	1017	1257	1400	1053	
1573	1653	1480	1593	1067	1390	1437	1073	
1643	1693	1480	1643	1057				
1350	1480	1430	1650	987				
1317	1423	1193	1400	980	1240	1460	990	
1383	1513	1287	1447	803	1353	1543	907	
1516	1617	1427	1577	957	1467	1597	980	
1513	1593	1400	1540	900	1423	1557	933	
1547	1587	1473	1590	970	1453	1580	1007	
1483	1550	1430	1553	947	1407	1527	980	

Gold alum 490			3896	1193
1% Bismuth 228 D	7004		3897	1207
Bucky BISMUTH	6992			
Gold alum 491			3898	1183
1% Bismuth 234 D	7020		3899	1170
Bucky BISMUTH	7060			
Gold alum 492			3900	1277
3% Bismuth 232 D	6996		3901	1280
Soft Bucky BISMUTH	7063			
Gold alum 493			3902	1237
3% Bismuth 227 D	7015		3903	1223
Soft Bucky BISMUTH	6933			
894 266 D			3904	1157
Stock was filed down to .008 + flattened out by Gottman	7234		3905	1163
	7303			
Deep 3904 Except filed down to .007 + flattened 267 D	7209		3906	1143
	7308		3907	1177
Deep 3904 Except filed down to .006 + flattened 269 D	7315		3908	1277
	7318		3909	1200
Deep 3904 Except filed down to .008 + put thru Rolls 266 D	7190		3910	1170
	7176		3911	1200
Deep 3904 Except stock filed to .007 + put thru Rolls	7202		3912	1208
	7291		3913	1223

filing down & wrapping in t-

.010	1/2	Hot	100	1/2	Hot
1243	1257	400	1317	1327	447
1260	1267	528	1350	1373	617
1257	1267	580	1350	1370	680
1267	1277	613	1357	1373	663
1320	1333	707	1423	1450	787
1350	1367	683	1430	1443	773
1333	1350	683	1430	1467	807
1333	1350	693	1423	1463	733
1190	1200	340	1290	1297	497
1207	1227	366	1290	1297	533
1200	1210	363	1273	1283	543
1233	1243	363	1290	1297	573
1273	1283	313	1317	1343	667
1247	1277	303	1313	1330	563
1233	1243	333	1290	1300	570
1250	1260	303	1300	1320	500
1243	1263	447	1253	1263	543
1253	1270	447	1260	1273	523

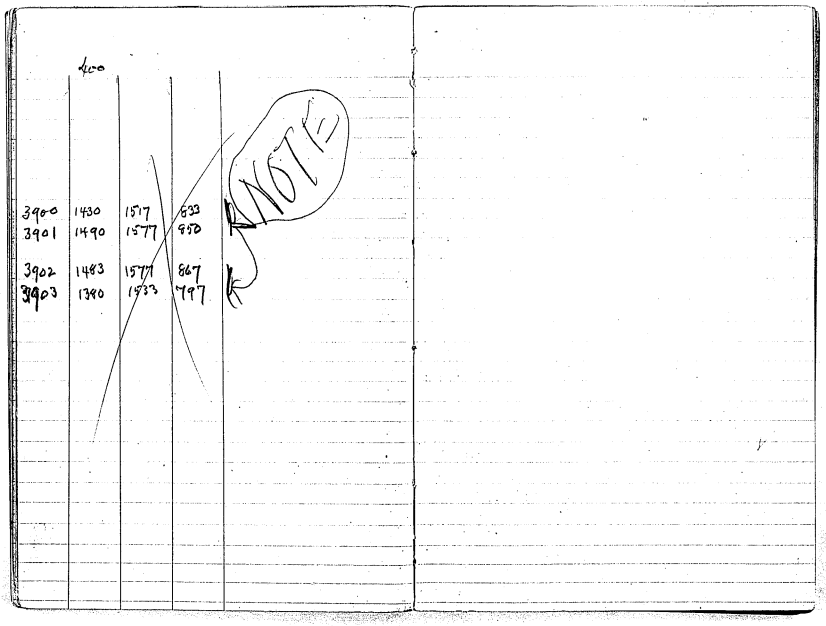
3896	1250	1320	760	1300	1333	737
3897	1320	1353	767	1313	1367	750
3898	1330	1357	697	1307	1360	750
3899	1330	1360	697	1317	1367	767
3900	1393	1457	860	1367	1423	897
3901	1433	1493	863	1393	1460	867
3902	1447	1467	900	1387	1457	873
3903	1400	1467	903	1383	1453	797
3904	1260	1290	650	1280	1310	637
3905	1287	1313	713	1310	1360	657
3906	1260	1293	397	1303	1333	670
3907	1290	1323	720	1300	1340	673
3908	1330	1373	763	1327	1383	730
3909	1317	1350	693	1317	1367	687
3910	1290	1317	687	1297	1333	671
3911	1273	1327	683	1303	1343	703
3912	1290	1320	650	1200	1243	530
3913	1307	1350	650	1240	1267	540

250	1/2	ft
1197	1340	680
1197	1333	687
1260	1407	760
1300	1410	733
1333	1507	867
1367	1550	837
1320	1383	577
1313	1393	627

Run Twice

300	1/2	ft
1293	1397	1123
1280	1363	1087
1370	1457	927
1443	1520	933
1397	1447	933
1387	1460	927

1243	713	
1223	693	
1400	1497	823
1460	1527	860
1437	1513	913
1390	1477	867


400
3900 1430 1517 533
3901 1490 1577 558
3902 1483 1577 867
3903 1380 1533 797
NOT

Dup 3904 Except Sieve filled down to close & put thro' finer 2 days	7254 7289	3914 3915	1207 1200
Lot 39 flasks 1164– 1 @ 3.9 27 26th	7952 7961	3916 3917	1250 1263
Lot 39 of 854 4.5 26th	7556 7546	3918 3919	1247 1243
854– 5% Crushed Mamble Mum 100 on 190 mixed 6th after 26th	7371 7476	3944 3945	1180 1210
Dup 3944 10% Crushed Mamble 6.16 after 27th	7381 7395	3946 3947	1123 1120
Dup 3944 20% Crushed Mamble 5th after 28th	7342 7340	3948 3949	1043 960
12 tubes filled with 1196 72 mix Rounded (red) Mum remaining Hopper 100 per Dump 20 flasks Remained 4 tubes 100 D	10027 10092	3950 3951	1185 1175
Dup 3950 Except Dump 100 72 mixt Mum 4.3 f 9th D	9842 9873	3952 3953	1485 1690

1257	1270	473	1250	1260	543					
1263	1270	440	1280	1300	540					
1303	1310	323								
1310	1320	810								
1267	1280	447	1250	1260	430					
1263	1273	453	1247	1247	420					
1197	1220	660	1292	1310	770					
1260	1283	748	1340	1363	763					
1163	1190	910	1260	1293	693					
1167	1200	663	1260	1290	670					
1083	1103	657	1163	1187	687					
1087	1060	603	1080	1113	667					
						200	½			
2125	2975	1725	2100	3000	1680	1230	1475	1490		
2200	3095	1740	2200	3125	1630	1150	1530	1520		
2200	3125	1605	1560	2340	1520	225	340	1515		
2200	3135	1595	1650	2340	1350	250	365	1480		

all 205 Mash per gram
Lime Carbonate does not harm
mixes in green sand/loam

3914	1307	1350	670	1307	1360	620	
3915	1327	1350	670	1290	1420	690	
3944	1280	1337	793				
3945	1327	1390	837				

				50	½	ff	100	½	ff
Dup 3950		3954							
Dump .100 fr mix Illem #3 f 9 A	9842 9873	3955							
Ra 1129 Experiment		3970	1193	1607	1633	930	1647	1700	893
Element to put in scrubber with tube from Conc Bal Sulfuric 4 f 27 grams	8 125 8 827	3971	1198	1607	1630	907	1653	1713	897
Dump 6 Rm f BISMUTH 6 Rump									
(1169 + (new) Dup 3770		3972	1263	1643	1657	933	1720	1760	937
7 Rump BISMUTH	7 768 7 791	3973	1230	1593	1610	890	1670	1713	857
Dup 3972		3974	1263	1600	1623	903	1690	1733	897
8 Rump BISMUTH	7 772 7 781	3975	1243	1607	1630	997	1690	1733	933
Dup 3972		3976	1250	1610	1633	957	1677	1723	943
10 Rump BISMUTH	7 806 7 827	3977	1227	1613	1633	900	1677	1717	943
884 - mixed with 10% Bi_2O_3 Then 100 cm 190 - or 2% Bi_2O_3 Heating Coarse crystal 1123 f - 27 g 4 f - 7 812 Sample Temp - BISMUTH	7 827	3978	1273	1413	1497	683	1533	1670	750
		3979	1257	1496	1587	770	1670	1713	833

NOTE

	150	½	ft	200	½	ft
3970	1657	1763	1077	1583	1642	1247
3970	1687	1790	933	1667	1750	1183
3972	1747	1790	1243	1610	1653	1257
3973	1700	1760	1050	1650	1693	1183
3974	1733	1797	1093	1690	1733	1163
3975	1693	1760	1103	1647	1687	1280
3976	1687	1753	1080	1640	1683	1287
3977	1700	1793	1037	1633	1703	1207
3978	1517	1643	930	1347	1443	750
3979	1610	1780	1057	1590	1780	960

				300	½	ft
1663	1810	673	1567	1707	1127	
1673	1813	660	1663	1793	1067	
1667	1777	633	1663	1753	1090	
1660	1770	687	1663	1793	1010	
1660	1770	667	1663	1760	1077	
1687	1767	637	1663	1733	1073	
1650	1793	663	1633	1700	1187	
1700	1790	650	1663	1757	1086	

350	½	Hot	1100	½	Hot
3970	1527	1740	1050	1447	1627	1043
3971	1527	1817	1200	1327	1557	1050
3972	1527	1727	1080	1370	1580	1040
3973	1667	1797	1077	1473	1473	1030
3974	1667	1787	1147	1473	1600	1043
3975	1713	1773	1143	1467	1630	1033
3976	1707	1827	1040	1530	1643
3977	1667	1817	1070	1473	1700

1450	½	Hot	
1383	1533	987	
1217	1377	997	× 3 Rings Cracked
1333	1440	1097	
1573	1687	1007	
1323	1487	1143	
1373	1463	863	
1380	1477	860	
1400	1420	827	

NOTE

				50	½	Hot	100	½	Hot	150	½	H
Dup 3978		3980	1267	1437	1540	620	1623	1677	443	1610	1770	967
3% Hg		3981	1247	1420	1570	797	1620	1687	833	1550	1650	1113
BISMUTH	8019 7876											
Dup 3978		3982	1230	1447	1553	660	1647	1690	787	1590	1767	933
But 15% Bi_2O_2 + 3% HgO		3983	1227	1443	1497	657	1627	1667	717	1460	1560	743
BISMUTH	8111 8116											
Dup 3978		3984	1243	1310	1353	67	1313	1410	660			
5% Bi_2O_2 3% HgO	7495	3985	1260	1343	1397	690	1357	1467	700			
BISMUTH 2.20	7593											
Dup 3978	7613	3986	1190	1400	1453	710	1533	1570	797	1583	1620	1117
10% Bi_2O_2 + 2% Antimony Oxide	7674	3987	1177	1410	1497	800	1567	1617	897	1610	1633	1217
2.12 BISMUTH												
Dup 3978		3988	1127	1390	1427	600	1480	1520	880	1493	1510	10331
10% Bi.O 5% SbO.	7782	3989	1123	1383	1417	773	1483	1526	873	1493	1527	10537
BISMUTH	7577											
854 mixed with 12% Bi.O auxiliary (less than 100 mesh)		3990	1210	1280	1290	520	1373	1390	587			
190 - 44 274 -		3991	1193	1230	1240	487	1340	1350	527			
21K 1 LiOH 2.43	7547											
BISMUTH	7543											
Dup 3990		3992	1240	1390	1480	693	1533	1603	803	1593	1653	113
21K 2 Li BISMUTH		3993	1217	1417	1520	740	1533	1613	890	1593	1667	110
Dup 3990		3994	1203	1077	1887	327	1543	1263	587			
25K ½ LiOH · BISMUTH		3994	1193	1000	1620	327	1423	1153	457			

	2oo	4/v	Bdl
3980	1527	1663	1040
3981	1533	1707	993
3982	1450	1720	997
3983	1320	1363	900
3992	1467	1583	787
3993	1467	1610	907

Dup 3990	3996	1243	1253	1290	523	1320	1367	617				
25K 1 Li BISMUTH	3997	1250	1297	1333	563	1387	1393	640				
Dup 3990	3998	1310	1390	1593	863	1533	1723	987	1747	1757	1300	
25K 2 Li BISMUTH	3999	1337	1480	1567	1117	1523	1600	1117	1697	1760	1393	
Dup 3990	4000	1048	867	893	323	933	940	310				
30K No Li BISMUTH	4001	1043	867	877	323	927	933	810				
Dup 3990	4002	1143	997	1037	407	1100	1117	413				
30K 250 mg Li BISMUTH	4003	1142	1043	1077	393	1083	1103	340				
Dup 3990	4004	1217	1157	1238	480	1223	1243	450				
30K ½ from Li, BISMUTH	4005	1193	1130	1220	480	1250	1277	490				
734-16.8% Bi, 4f 267	4006	1143	1427	1507	837	1600	1617	803	1600	1623	933	
Split. 257D 7833 7835 7802	4007	1187	1490	1557	927	1647	1660	767	1687	1727	1030	
21K ½ Li BISMUTH	4008	1107	1443	1510	927	1603	1610	807	1630	1650	1010	
Dup 4006 -	4009	1110	1400	1417	576	1450	1480	590	1500	1517	746	
21K 1 Li 7831	4010	1147	1400	1420	463	1490	1520	543	1470	1483	697	
BISMUTH. 7814 7881	4011	1140	1410	1426	460	1443	1470	507	1483	1507	727	
854- 10% Bi 0 from 100 alloy from m 4 26.8% BISMUTH 7705	4012	1247	1460	1620	830	1577	1680	923	1693	1700	1127	
Sample 21K 2 Li. 7708	4013	1263	1493	1627	910	1633	1670	970	1650	1683	1183	

				250	½	M
3998	1243	1750	1047	1217	1793	927
3999	1533	1710	1080	1600	1877	800

				250	½	M
4006	1533	1610	963	1523	1590	713
4007	1550	1703	863	1493	1773	733
4008	1577	1623	990	1583	1620	500

				250	½	M
4012	1450	1720	987	1443	1650	760
4013	1590	1743	990	1557	1773	953

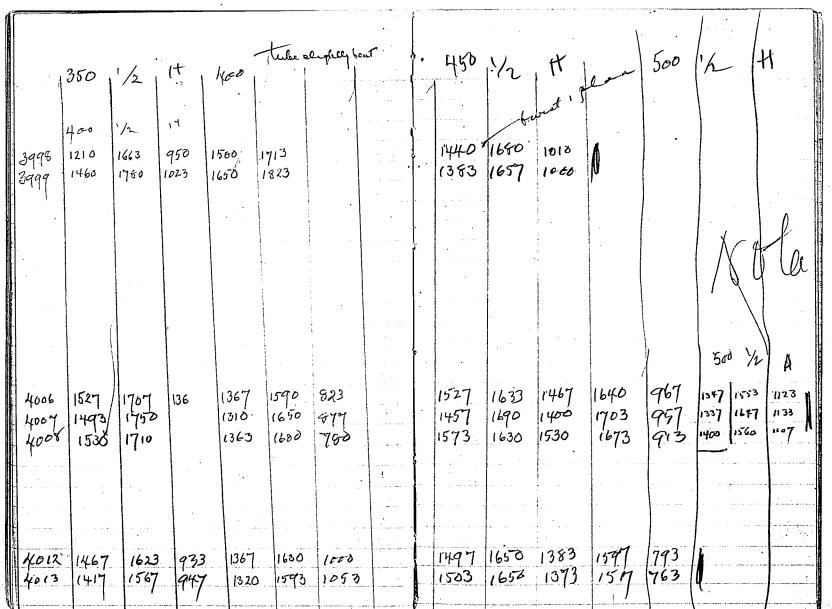
250 Run 3 times more

				300	½	M	350	½	M
1490	1733	X	1527	1730	867	1460	1613	967
1733	1800		1593	1833	773	1667	1790	910

Note

				300	½	M
1523	1563	X	1500	1600	990	
1593	1660		1500	1647	873	
1550	1583		1533	1653	767	

				300	½	M
1517	1590	X	1500	1620	873	
1687	1707		1583	1650	1053	



	350	½	H	400	tube amplifier heat		450	½	H	flame	500	½	H
	400	½	H										
3998	1210	1663	950	1500	1713		1440	1680	1010				
3999	1460	1780	1023	1650	1823		1383	1657	1060				
												500 ½	A
4006	1527	1707	136	1367	1590	823	1527	1633	1467	1640	967	1267 1553	1123
4007	1493	1750		1310	1650	877	1457	1690	1400	1703	957	1237 1687	1133
4008	1530	1710		1363	1680	780	1573	1630	1530	1673	913	1400 1560	1107
4012	1467	1623	933	1367	1680	1000	1497	1650	1383	1597	793		
4013	1417	1567	947	1320	1593	1058	1503	1658	1373	1517	763		

Dup 4012 BISMUTH	4014	1253	1430	1477	1050	1637	1673	870	1613	1633	1247
Except 15% Bi O_X 7720	4015	1260	1440	1667	827	1637	1693	867	1647	1667	1250
251D 7768											
854 15% Bi.O How 100 on 190 —	4016	1253	1600	1617	757	1567	1593	1050	1467	1790	717
4 27.3 7944	4017	1260	1610	1623	827	1610	1640	977	1640	1843	850
252D BISMUTH 7954											
Lot 40 flats 1129 Fisher	4018	1200	1223	1240	403	1223	1243	373			
27.2 4 - 257D 7881	4019	1237	1228	1240	403	1187	1217	373			
4997											
Lot 40 f. 854 —	4020	1233	1213	1223	413						
24 44 — 267D 7407	4021	1237	1210	1217	407						
4476											
854 Mixed with 12% Bi.O	4022	1300	1440	1600	727	1387	1400	670			
How 100 on 190 4 27.3 7902	4023	1273	1353	1527	693	1267	1297	580			
30K Li 261 D. BISMUTH 7810											
Dup 4022	4024	1303	1530	1677	1097	1590	1720	1247	1680	1967	1797
30k 2 Lithi. BISMUTH	4025	1297	1363	1677	1027	1517	1643	1247	1533	1700	1652
854 - 4.3 23.9	4026	950	1200	1207	397	1190	1200	423			OVER
Took prog. from called and cut it so I	4027	800	1200	1213	397	1200	1200	423			
first filled him as of Cents.											
252D 7022											
7010											
Please check all of this.											

Note Called Solomon from the office & asked him to check

9.2 19.5 2.1 19.3 4.6

tubes smaller ring broken

250

4014	1580	1663	753	1557	1827	883
4015	1567	1733	1017	1497	1810	953
4016	1420	1790	917	1400	1950	907
4017	1380	1796	913	1317	1887	957

4024	1590 X	1790	1020			
4025	1383 X	1550	1110			
4026	1227	1263	583	1200	1283	573
4027	1213	1267	563	1183	1293	610

Run 3 Times more 300 ½ IT

$$\begin{vmatrix} 1677 & 1727 \\ 1630 & 1713 \end{vmatrix} \times \begin{vmatrix} 1590 & 1707 & 963 \\ 1467 & 1707 & 973 \end{vmatrix}$$

$$\begin{vmatrix} 1590 & 1713 \\ 1467 & 1760 \end{vmatrix} \quad \begin{vmatrix} 1517 & 1660 & 900 \\ 1467 & 1743 & 973 \end{vmatrix}$$

	700	1/2	H	400	1/2	H
4014	1527	1707	993	1400	1683	1047
4015	1447	1703	1007	1280	1673	1013
4016	1443	1760	920	1317	1633	917
4017	1447	1760	1010	1233	1678	1017

500	1/2	950		
1493	1703	1467	1660	907
1367	1707	1390	1657	877
1453	1663	1507	1683	983
1327	1720	1333	1667	1017

NOTE

1289 RCA Expmt (1164 Type)	4050	1077	1183	1147	283	1067	1080	300					
1127 f. 4.3 f	4051	1077	1183	1147	280	1083	1093	300					
854 Mixed 12% P3.0 (1hm 30 min) 70	4052	1223	1247	1360	690	1323	1457	753					
2/3 4 BISMUTH	4053	1227	1263	1357	677	1357	1453	667					
15% NaOH ½ gm Li 0.66	7500	7747											
Dup 4052	4054	1227	1257	1370	760	1340	1467	853	1233	1340	1158		
15% NaOH 1 Li BISMUTH	4055	1223	1247	1383	797	1343	1497	1003	1200	1330	1177		
Dup 4052	4056	1200	1343	1503	977	1409	1633	1063	1400	1633	1240		
15% NaOH 2 Li BISMUTH	4057	1200	1333	1473	953	1450	1660	987	1400	1587	1197		
Dup 4052	4058	1163	1333	1400	1130	1500	1667	893	1400	1543	1177		
15% NaOH 3 Li 0.66 BISMUTH	4059	1230	1197	1480	1117	1500	1780	853	1333	1647	973		
Dup 4052	4060	1190	1277	1380	687	1370	1477	597	1370	1450	710		
18% NaOH ½ Li 0.66 BISMUTH	4061	1177	1257	1363	643	1367	1480	617	1353	1470	747		
Dup 4052	4062	1173	1300	1467	783	1393	1643	830	1400	1600	960		
18% NaOH 1 Li 0.66 BISMUTH	4063	1177	1290	1478	767	1483	1663	893	1363	1580	950		
Dup 4052 Bismuth	4064	1183	1350	1517	1207	1157	1510	1117	1333	1530	1077		
18% NaOH. 2 Li 0.66	4065	1190	1307	1583	1163	1157	1523	1173	1313	1570	1093		
Dup 4052 BISMUTH	4066	1193	1380	1427	1187	1157	1523	1190					
18% NaOH 3 Li 0.66	4067	1193	1510	1670	1203	1203	1533	1197					

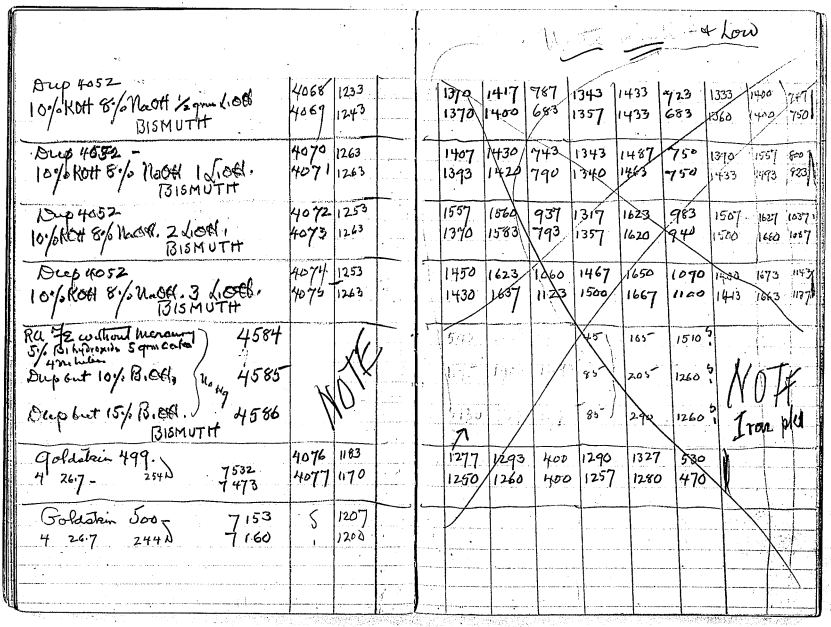
Note

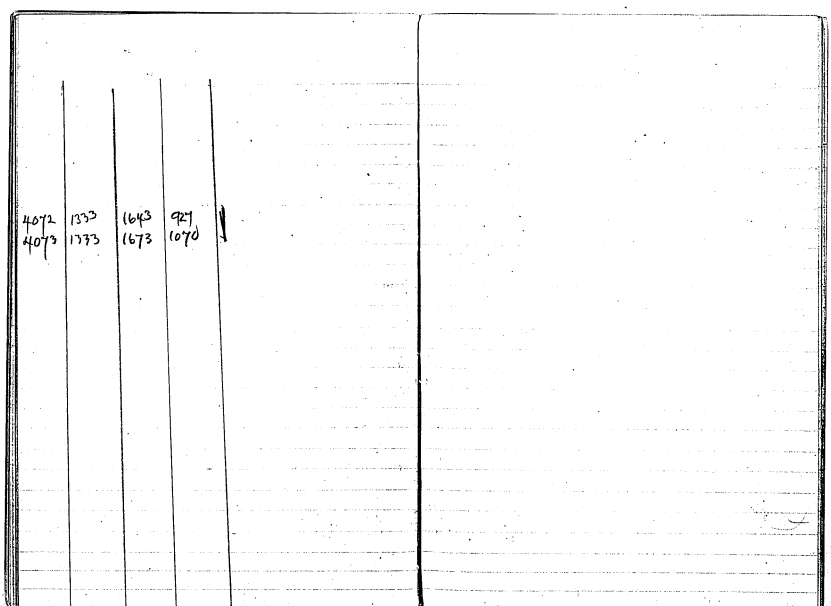
4054	1153	1437	930	
4055	1133	1433	933	
4064	1360	1567	1140	
4065	1333	1573	1157	M

NOTE

Nutt not so good

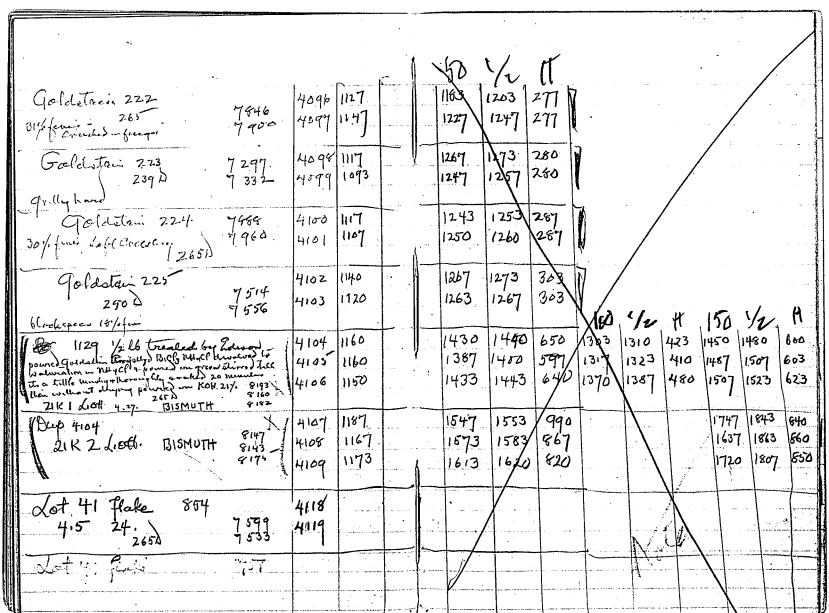
w Koff with Bissett


Dup 4052
10% KOH 8% NaOH ½ gm Lead
BISMUTH
4068 1233
4069 1243
1370 1417 787 1343 1433 723 1333 1400 787
1370 1400 683 1357 1433 683 1360 1400 750
Dup 4052
10% KOH 8% NaOH 1 Lead
BISMUTH
4070 1263
4071 1263
1407 1430 743 1343 1487 750 1370 1557 800
1393 1420 790 1340 1463 750 1433 1493 823
Dup 4052
10% KOH 8% NaOH. 2 Lead
BISMUTH
4072 1253
4073 1263
1557 1560 937 1317 1623 983 1507 1627 1037
1370 1583 793 1357 1620 940 1520 1660 1057
Dup 4052
10% KOH 8% NaOH. 3 Lead
BISMUTH
4074 1253
4075 1263
1450 1623 1060 1467 1650 1070 1490 1673 1143
1430 1637 1123 1500 1667 1100 1443 1663 1177
Rx 72 without mercury
5% Bi hydroxide 5 gm cake
4 ml water
4584
Dup but 10% Bi. Lead
4585
Dup but 15% Bi. Lead.
BISMUTH
4586
NOTE
45 165 1510
85 205 1260
85 240 1260
NOTE
Iron plt
Goldstein 499.
4 26.7 2544
4076 1183
4077 1170
1277 1293 400 1290 1327 530
1250 1260 400 1257 1280 470
Goldstein 500
4 26.7 2440
7532
7473
7153
7160
5
1207
1200


4072 1333 1643 927
4073 1373 1673 1070

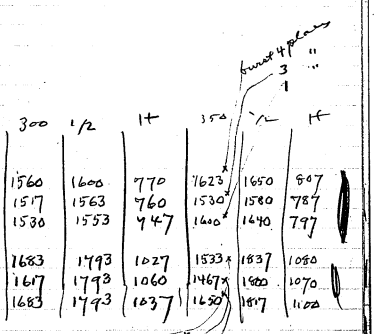
Goldstein 503	7960	4080		1223	1250	403								
269D	7873	4081		1250	1277	490								
Goldstein 212	7710	4082	1150	1257	1277	487								
252D	7650	4083	1133	1209	1213	317								
26/4min heavy														
Goldstein 213	8202	4084	1127	1257	1273	347								
277D	8275	4085	1067	1183	1220	753								
25/4min														
Goldstein 214	7170	4086	1260	1377	1400	437	1430	1500	793	1360	1400	677		
almost all black, hard gritty	7183	4087	1260	1333	1367	730	1460	1453	773	1340	1427	663		
242D 85 BISMUTH														
Goldstein 215		4088	1210	1350	1383	967	1400	1457	827	1340	1430	870		
288D	7172	4089	1193	1333	1370	693	1400	1450	827	1357	1440	877		
25/4min 511 BISMUTH	7204													
Goldstein 218	7935	4090	1113	1163	1217	313								
quite some black	7902	4091	1110	1170	1217	333								
267D														
Goldstein 219 -	7328	4092	1183	1227	1247	297								
238D	7360	4093	1170	1227	1247	287								
Crumbly 6 min -														
Goldstein 220		4094	1120	1223	1247	327								
272D	8209	4095	1123	1220	1247	830								
	8188													

4086	1317	1460	536		D
4087	1303	1460	517		
4088	1353	1453	620		U
4089	1410	1510	984		


Goldstein 222
265
7946
7900
4098
4099
1127
1147
1183
1227
1203
1247
277
277
Goldstein 223
239 D
7297
7337
4098
4099
1117
1093
1267
1247
1273
1267
280
280
Goldstein 224
7485
7960
4100
4101
1117
1107
1243
1250
1253
1260
287
287
Goldstein 225
290 D
7514
7556
4102
4103
1140
1120
1287
1263
1273
1267
303
303
1129
4104
4105
4106
1160
1160
1150
1430
1387
1433
1440
1480
1443
650
597
640
ZIK 1 Lott 4.27
BISMUTH
Dup 4104
ZIK 2 Lott
BISMUTH
8147
8143
8173
4107
4108
4109
1187
1167
1173
1547
1573
1613
1553
1583
1620
990
867
820
Lot 41 Flake 884
4.5 24.
2650
7599
7533
4118
4119
150
1/2
H
1383
1317
1370
1310
1323
1387
423
410
480
1450
1457
1507
1480
1507
1523
600
603
623
150
1/2
H
1747
1637
1720
1843
1863
1807
640
560
650

	200					
4104	1533	1557	730	1563	1587	687
4105	1510	1583	723	1543	1560	667
4106	1513	1533	743	1503	1563	657
4107	1693	1725	1050	1667	1787	907
4108	1520	1763	1057	1620	1750	907
4109	1647	1770	1050	1680	1763	893

	300	1/2	1+	3+	1/2	1+
	1560	1600	770	1623	1650	807
	1517	1563	760	1530	1580	787
	1530	1553	747	1600	1640	797
	1683	1793	1027	1533	1837	1050
	1617	1793	1060	1467	1800	1070
	1683	1793	1037	1650	1847	1100



854 soaked with Conc 30 of gl. Rich Wkly of dendle and dissolved in Solution in which powdered Solution on day before test at observed set it would in 5 minutes + it was muddy then poured 21 Kept on it a pest on board Block on hot plate for 1/2 hours of 3 minutes right & flask covered by decantation family water of glucose distilled twice.	4128	1223	1583	1607	807	1533	1667	873	1600	1677	733
	4129	1223	1590	1603	843	1560	1650	937	1640	1720	783
1123 f 4 27.3 237 D 7379 21K2Li BISMUTH 7383											
Dep 4128	4130	1183	1467	1483	607	1447	1430	573			
Except 21K1Li 7430	4131	1200	1517	1527	697	1428	1430	683			
BISMUTH 7451											
Dep 4128 Except 48 mixture for Sub-p-4 7 Rings to add Cidan	4132	1217	1540	1547	893	1507	1733	1073	1657	1707	907
Decomp Q Mem fit 137 D 6973	4133	1217	1557	1547	863	1600	1693	952	1680	1740	863
BISMUTH 6952											
Dep 4132 Except 8 Rings	4134	1203	1567	1580	867	1533	1653	967	1600	1710	813
BISMUTH 137 D 7001	4135	1240	1567	1580	843	1593	1617	997	1657	1723	917
7051											
Dep 4132 Except 10 Rings —	4136	1230	1610	1620	820	1623	1667	980	1657	1723	927
BISMUTH 124 D 7021	4137	1243	1620	1630	797	1633	1683	1013	1663	1737	910
7022											
Goldstein 424	4138	1120	1260	1267	463						
4 27.4 8116	4139	1130	1260	1267	463						
8145											

See Wasse Illus Series not 2054 Summit Engineering

				250	-/2	14								
4128	1523	1660	890	1567	1667	760		1517	1627	830	1497	1667	560	
4129	1533	1703	860	1567	1687	843		1467	1613	660	1530	1723	887	
4132	1500	½ 1560	1477	1570	993									
4133	1523	1583	1557	1650	987									
4134	1457	1557	1467	1663	997									
4135	1513	1573	1450	1583	1003									
4136	1510	1587	1567	1707	1000									
4137	1517	1583	1450	1620	1010									

NOTE

350

Goldstein 498	7698	4140	1170
4 27.2 247D	7756	4141	1183
Goldstein 501	7198	4142	1193
241D	7200	4143	1178
Goldstein 502	7255	4144	1173
4 2618 243D	7244	4145	1183
Goldstein 504	7433	4146	1170
245D	7496	4147	1193
734 Cordmix 16.8%/081	7781	4148	
123 4-27	7794	4149	
25% Roff 1 Liofl 253D	7822	4150	
Dep 4148 16H B1		4151	
28% Roff 1 Liofl		4152	
		4153	
Dep 4148 16H B1		4154	
18% R + 2 Liofl		4155	
		4156	
Dep 4148 16H B1		4157	
18% Roff 3 Liofl		4158	
		4159	

1267	1280	367							
1267	1271	363							
1267	1277	370	1267	1280	330				
1260	1267	330	1267	1283	340				
1260	1267	330	1267	1290	367				
1260	1267	343	1243	1260	327				
1260	1267	360							
1267	1283	483							
1477	1533	417	1487	1423	473	1498	1507	460	
1513	1523	910	1443	1457	577	1507	1520	483	
1500	1507	720	1443	1457	580	1503	1523	463	
1457	1473	587	1410	1438	453	1507	1523	380	
1573	1617	977	1417	1447	477	1467	1487	450	
1583	1643	760	1467	1490	533	1490	1507	497	
1460	1467	727	1500	1513	797	1600	1630	643	
1500	1510	787	1510	1527	840	1620	1657	757	
1467	1477	730	1490	1510	753	1577	1627	733	
1473	1493	990	1513	1530	920	1620	1660	948	
1470	1493	900	1540	1547	887	1633	1657	800	
1473	1483	973	1533	1577	953	1647	1660	990	

4157	1457	1600	953	1513	1600	790	1517	1600	893	147	1593	790	
4158	1420	1620	963	1513	1600	807	1517	1600	987	147	1653	827	
4159	1523	1650	1027	1503	1560	850	1550	1660	983	1497	1653	950	

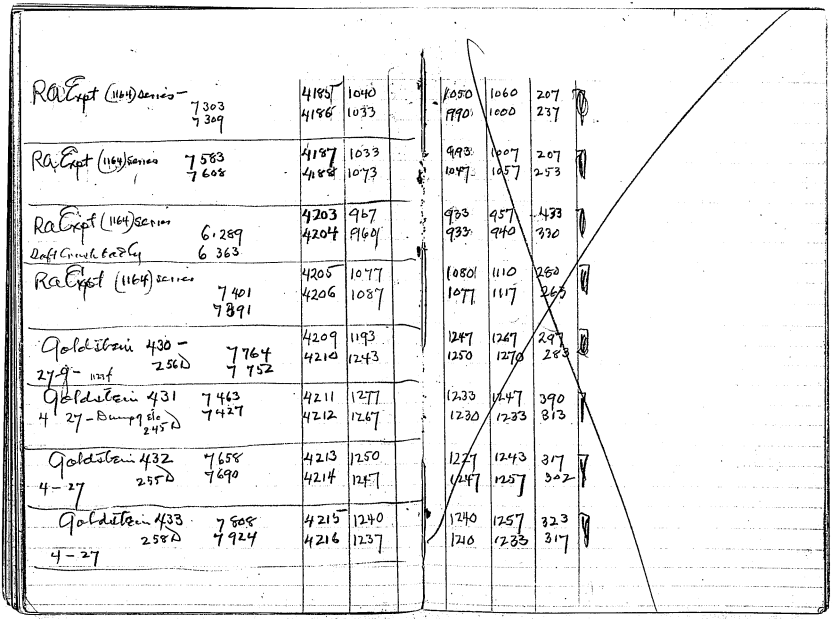
NOTE

Tantalum Bad

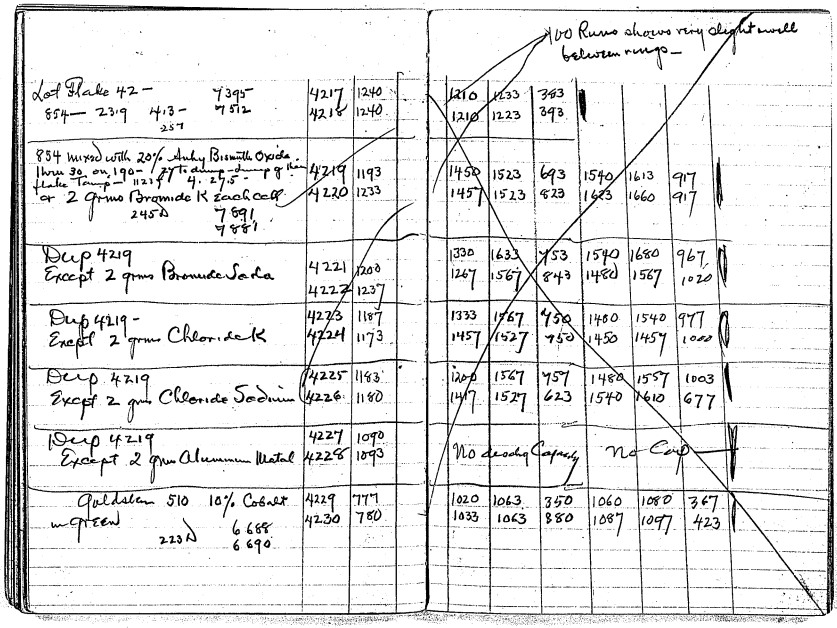
			50	½	H	100	½	H	150	½	H
Dup 4148	4160		1433	1440	1053	1530	1547	990	1563	1663	863
21K 3 Lock.	4161		1460	1467	1087	1520	1533	1080	1640	1663	893
	4162		1507	1520	947	1517	1547	920	1600	1633	933
Dup 4148	4163	1243	1517	1527	1083	1467	1427	1117	1567	1640	1033
21K 4 Lock.	4164	1250	1533	1577	1017	1343	1363	1027	1600	1663	1027
	4165	1237	1490	1547	1053	1350	1363	1067	1577	1683	1023
Dup 4148	4166	1150	1327	1343	457	1287	1313	450	1383	1433	660
16% ROH 2 Lock.	4167	1160	1366	1370	480	1357	1380	567	1393	1433	677
	4168	1123	1287	1300	897	1290	1317	477	1350	1400	677
Dup 4148	4169	1197	1503	1520	1720	1443	1463	587	1533	1577	963
16% ROH 4 Lock.	4170	1203	1477	1483	630	1437	1447	963	1560	1577	960
	4171	1203	1480	1483	610	1447	1467	923	1550	1573	960
Dup 4148	4172	1193	1497	1513	687	1333	1367	1533	1573	1083	
16% R 5 Lock.	4173	1200	1513	1523	657	1343	1367	1533	1573	1067	
	4174	1197	1530	1537	740	1373	1377	1573	1573	1043	
854. 43 243 7 515 Rivited to tube in a small tube Containing 1.030 Tantalum Wire	4175	1187	933	1290	487	1006	1243	507			
Dup 4175 Except 1.030 Tantalum + 2 gms Bismuth Connected to Lead	4176	1173	1000	1243	487	1047	1233	567			

				300	½	H
4160	1563	1733	917	1630	1716	1103
4161	1627	1703	993	1450	1587	1143
4162	1543	1693	997	1600	1693	1070
4163	1533	1667	1000	Jute burst 2 plain		
4164	1517	1730	1007	" Batchy abrasion		
4165	1533	1723	1026			
4169	1507	1557	993			
4170	1503	1557	994			
4171	1507	1560	983			
4172	1320	1443	1043	Jute burst 1 pl		
4173	1443	1553	1000	" " 1 pl		
4174	1417	1567	1017			

	350	½	Hook	H+0	½	H	450	½	H
	1527	1650	1113	1383	1523	1040	1260	1057	1153
	1433	1577	1020	1057	1267	1023	933	1127	894
	1500	1657	1000	1443	1620	1042	1267	1413	1160



RA Expt (1164) series — 7303 7309 | 4185 4186 | 1040 1033 | 1050 1090 | 1060 1000 | 207 237
RA Expt (1164) series 7583 7608 | 4187 4188 | 1033 1073 | 993 1047 | 1007 1057 | 207 253
RA Expt (1164) series 6289 6363 | 4203 4204 | 967 1960 | 933 933 | 957 940 | 433 330
Daft Creek Early
RA Expt (1164) series 7401 7891 | 4205 4206 | 1077 1087 | 1080 1077 | 1110 1117 | 260 265
Goldilocks 430 — 2560 7764 7752 | 4209 4210 | 1193 1243 | 1247 1250 | 1267 1270 | 297 283
2-9- 1134
Goldilocks 431 7463 7427 | 4211 4212 | 1277 1267 | 1233 1230 | 1247 1233 | 390 813
4 27 - Bumpy Site 2450
Goldilocks 432 7658 7690 | 4213 4214 | 1250 1257 | 1277 1247 | 1243 1257 | 317 302
4-27 2550
Goldilocks 433 7808 7924 | 4215 4216 | 1240 1237 | 1240 1210 | 1257 1233 | 323 317
4-27 2580


100 Runs shows very slight wall between runs—
Lot Blake 42 — 7395 — 4217 1240
854 — 23.9 4.3 — 7512 — 4218 1240
854 mixed with 20% Subsy Bismuth Oxide.
Thru 30 on 190 — 27 Tridym — 18 thin
Flake Temp — 1121 4. 27.5 —
or 2 grms Bromide K zaah carb 4219 1193
2458 7891 4220 1233
7881
Dup 4219
Except 2 grms Bromide Soda 4221 1200
4222 1237
Dup 4219 —
Except 2 grms Chloride K 4223 1187
4224 1173
Dup 4219
Except 2 grms Chloride Sodium 4225 1183
4226 1180
Dup 4219
Except 2 grms Aluminum Metal 4227 1090
4228 1093
Goldalum 510 10% Cobalt 4229 777
in green 4230 780
223D 6688
6690
1210 1233 383
1210 1223 393
1450 1523 693 1540 1613 917
1457 1523 823 1663 1660 917
1330 1633 753 1540 1680 967
1267 1567 843 1480 1587 1020
1333 1567 752 1480 1540 977
1457 1527 750 1450 1457 1000
1207 1567 757 1480 1557 1003
1147 1527 623 1540 1610 677
No decoding Capacity No Cap
1020 1063 350 1060 1080 367
1033 1063 880 1087 1097 423

Goldstein 511 15%		4231	710	1000	1063	403							
Cobalt in green	6 814	4232	714	1020	1063	423							
Dump 9 Thurs of 2244 -	6 890												
Goldstein 512 20% Cobalt		4233	390	920	933	420							
in green 213D	6644	4234	387	923	930	420							
	6,666												
Dup 4219 Except		4243	1173	1107	1120	553	1183	1193	420				
2 gms Zincate of K Enclosed		4244	1180	1130	1133	560	1190	1200	432				
21K2L1													
Dup 4243. Except		4245	1163	950	1530	753	587	1623	917				
21K2L1 2 gms K Nitrate		4246	1157	950	1460	810	933	1677	1643				
								=					
10 Dup 4243		4247	1017	950	1567	793	400	1683	1033				
Except 21K2L1 2 gms Nitrate Soda		4248	1000	780	1530	797	933	1660	983				
Dup 4243 Except		4249	1243	1100	1567	737	1533	1667	917	1317	1360	687	
21K2L1 2 gms Barium hydroxide		4250	1257	860	1407	733	1220	1613	650	1147	1497	527	
Lot 43 flake	4 385	4267	1223	1197	1203	340							
4.4 24hr 854 — 265	4 313	4268	1227	1190	1197	263							
Nitrate fuses pressed Cop Dally		4269	990	1010	1023	270							
in 4 gm Charges 300 at very high		4270	987	993	1007	267							
Comp Sodium 30 on 190	7 790												
270 D	7 813												

Note.

			50	½	H	100	½	H	150	½	Hal
Dup 4269 Except powder wet 10% B_2O pulled (Rest Dried) Combined Iron 30 on 190 272Δ 7808 7903	4271 4272	1043 1047	1087 1033	1093 1043	300 277						
857 – 1121f. Reg tubes, annealed but NOT PLATED 2622 7507 7540	4273 4274	1143 1163	1173 1180	1180 1183	403 560	1200 1223	1210 1233	630 587	1247 1277	1263 1293	680 683
Dup 4219 Bi 10% 21K 2Li 2 gm Calcium hydrox	4275 4276	1220 1213	1547 1523	1620 1577	567 567	1490 1553	1560 1706	1183 913			
Dup 4219 10% powdered Bi oxide gm 21K 2Li 2 gm Stronthe hydrox	4277 4278	1223 1233	1120 547	1133 1557	653 1030	1113 1590	1133 1617	363 760			
Dup 4219 21K 2Li 2 Sulphate Soda	4279 4280	1227 1240	1453 1533	1473 1550	617 590	1590 1617	1693 1637	933 997			
Dup 4219 21K 2Li 2 Sulphate Potash	4281 4282	1183 1180	1540 1480	1557 1507	853 657	1623 1493	1657 1613	967 937			
Dup 4219 21K 2Li 2 Fluoride Potash	4283 4284	1180 1167	1460 1403	1463 1427	700 573	1573 1520	1590 1560	817 703			
Dup 4219 21K 2Li 2 fluoride Soda	4285 4286	1097 1147	1240 1310	1257 1353	447 517	1263 1133	1293 1470	470 557			

	200	½	1+	250			
4273	1267	1300	647	1250	1267	760	
4274	1290	1310	680	1277	1283	717	

	250 2 months			300	½	H	
1237	1240	760		1257	1283	730	
1253	1273	717		1260	1290	770	

NOTE

4273	1263	1293	673	1233	1287	723
4274	1280	1310	707	1267	1310	737

600 — band 2 phases — slightly split

4273	1093	1117	810	
4274	1030	1060	817	

450 1/2 H 500 1/2 LY

1207	1250	710	1190	1257	793	1140	1183	773
1223	1260	727	1167	1213	793	1123	1163	773

NOTE

This is important also Cobalt Hotlab

Mi seems a little Passive

			50 ½ Ht			100 ½ Ht		
			No discharge			No discharge		
Dep 4219 Bismuth 20% X 21KZLi 2 Iodide Product	4287 4288	860 850						
Dep 4219 Bismuth 20% 21KZLi 2 Borax	4289 4290	1230 1220	1460 1540	1603 1593	790 843	1583 1583	1690 1643	880 1057
Dep 4219 – Bismuth 20% X 21KZLi 2 Silicate Soda	4291 4292	1213 1243	1350 1360	1360 1373	737 737	120 133	133 170	937 1250
854 – mixed with 10% Bismuth hydrate, 8 gms Carbon pressed in Zellic robing disc Box at Non Crushed Run 100 ohm 190 264N 7668 7752 7799	4293 4294 4295	1180 1200 1177	1477 1497 1487	1487 1553 1503	657 820 1003	1557 1580 1587	1600 1610 1617	927 1073 957
Dep 4293 Except 15% Bi Hydroxide X 7875 7873 21KZLi 7864	4296 4297 4298	1153 1183 1165	1520 1540 1527	1530 1543 1533	760 787 767	190 196		
Dep 4293 – but 21K 1 Li OH	4299 4300 4301	1137 1150 1123	1410 1490 1383	1420 1500 1393	603 680 527			

Note
NOTE

100	1/2	H	150	1/2	Hal
4291	93	147	597		
4292	120	167	603		
			200		
4293	1543	1597	967	1580	1580	870
4294	1514	1540	1083	1633	1727	970
4295	1493	1520	1030	1687	1697	857
4296	1567	1593	963	1520	1583	987
4297	1593	1613	1007	1553	1590	987
4298	1587	1610	1167	1600	1677	930
4299	1450	1467	663		
4300	1477	1507	697		
4301	1447	1453	667		

2100	1/2	H	250	X	Hal
1440	1520	857	1433	1517	883
1600	1653	1053	1593	1643	990
1623	1667	1017	1610	1653	1027
1533	1653	733	1503	1603	957
1590	1660	803	1577	1627	1090
1560	1727	993	1580	1600	1127

Note

NOTE

	300	1/2	H	350	1/2	Hol
4296	1533	1623	500	1490	1597	1040
97	1547	1623	1027	1493	1560	1093
98	1517	1627	1044	1413	1503	1177

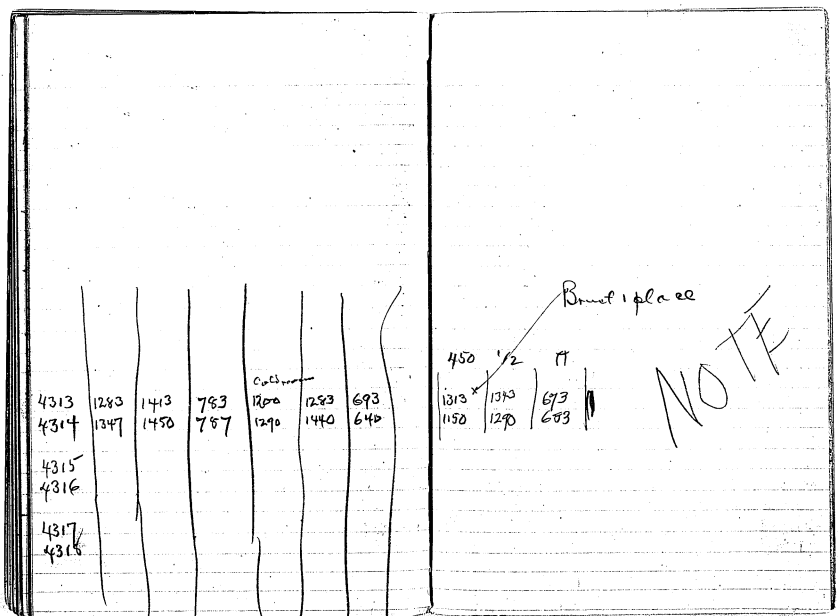
Dup 4299 2860 8163 8240 8300	4302	1137	1467	1480	873							
	4303	1120	1467	1480	817							
	4304	1117	1457	1467	813							
854 — 1123 f	4305	1240	1240	1247	347	1303	1327	680				
250 Wdg Flakes Pieces Sediment	4306	1243	1263	1270		1325	1347	730				
ZINC 6 2320 4. 268												
Dup 4305 — 1/2 gm Flake Con Pieces	4307	1253	1263	1270	390	1320	1343	720				
	4308	1250	1260	1267	427	1320	1343	693				
Dup 4305 — 1 gm Flakes Pieces	4309	1247	1263	1273	457	1320	1343	687				
	4310	1230	1263	1273	470	1300	1327	653				
Dup 4305 — 2 gms pc and Pieces	4311	1223	1260	1267	497	1297	1327	657				
	4312	1250	1267	1280	530	1323	1337	693				
Galena 519 — with 25% Cobalt 4 2647 254 7603 7565	4313	927	1370	1400	870	1507	1540	867				
	4314	917	1367	1400	833	1450	1503	863				
Galena 520, 30% Cobalt, 247N: 7602 7652	4315	983	1337	1380	860	1517	1563	920				
	4316	933	1390	1440	837	1450	1500	867				
Galena 525 50% Cobalt 248N 7362 7516	4317	983	1287	1337	830	1327	1373	870				
	4318	767	1247	1297	833	1270	1323	800				

Sulphate Lines
No Harm

The Lookout Lake 44 mil amp hours per pound of Cobalt in Solution

440 amp the limit for one 1/4 inch A.H. probably 550 for 1/8 Cu

4302	1583	1560	1160									
4303	1460	1567	917									
4304	1477	1567	980									
4313	1467	1523	603	1460	1510	750		1430	1490	783	1360	1413	810
4314	1443	1483	980	1407	1480	723		1387	1460	767	1367	1440	770
4315	1393	1449	980										
4316	1383	1427	993										
4317	1290	1313	800										
4318	1267	1310	650										


Brief place
NOTE

from the group on which we can put up new Colonel Cohns Except Bi

Gal Eulen 531 9; 10% Cobalt		4319	1067
243N	7528	4320	1043
	7480		
Gal Eulen 532 9; 15% Cobalt		4321	1057
243N	7450	4322	1077
	7430		
Gal Eulen 533 9; 20% Cobalt		4323	1133
261N	7966	4324	1083
	7945		
* Gal Eulen 535 30% Cobalt		4325	1020
256N	7762	4326	1010
	7831		
Ra 1298 Expmt. (1164 Series)		4347	903
291 —	8336	4348	903
	8363		
Ra 1298 Expmt (1165)	8387	4349	933
	8422	4350	933
Drop 4239 - Ra Expt.	7633	4351	1163
	7643	4352	1143

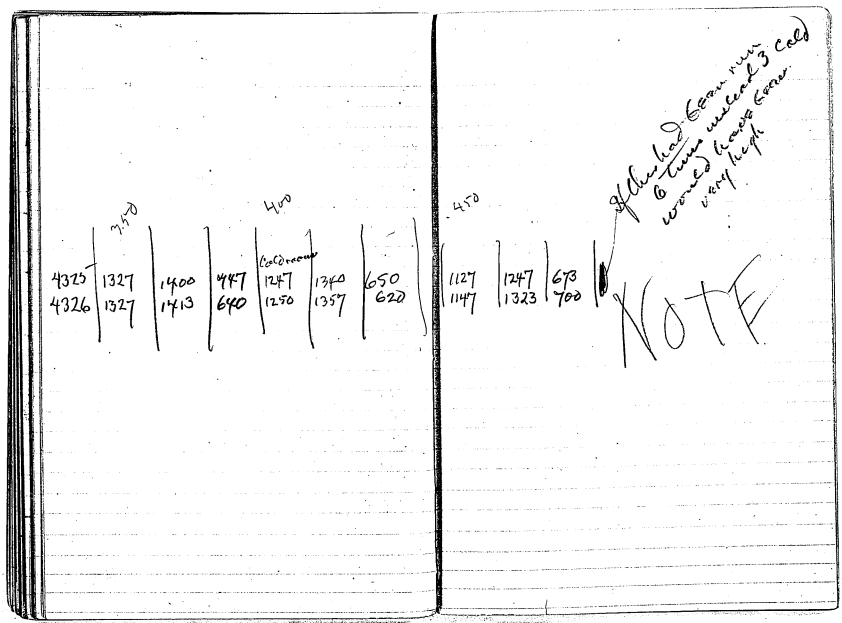
Groups 4355-56 from the Ra 854 Det on Mo 66 —
We now use 1256 Ra -

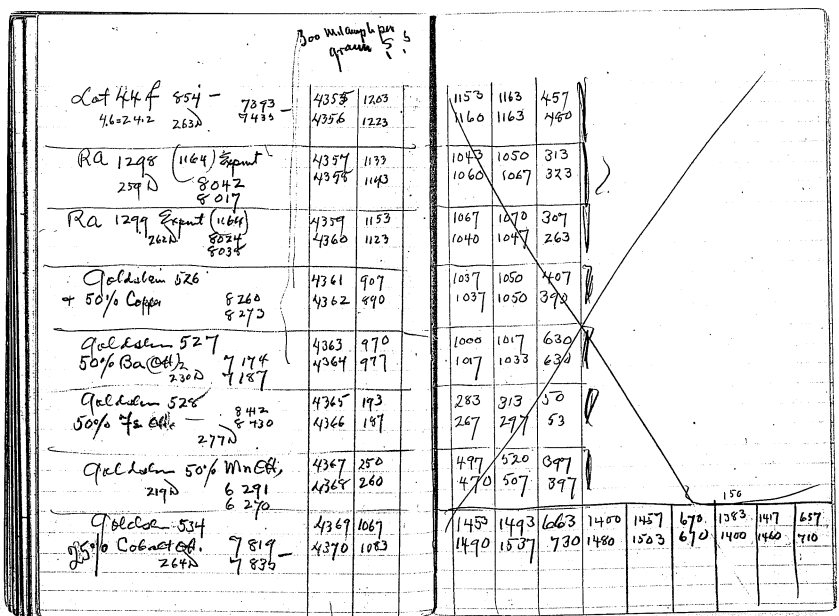
Note Cobalt

1243	1260	520	1307	1330	553
1227	1240	460	1293	1317	553
1200	1217	497	1263	1283	623
1200	1210	463	1240	1263	583
1290	1323	693	1327	1380	773
1263	1303	663	1287	1347	777
1393	1443	793	1507	1547	897
1367	1400	800	1523	1570	887
800	803	217			
800	807	233			
787	793	227			
787	797	230			
1163	1137	420			
1163	1120	413			

4325	1443	1500	777	1367	1413	737
4326	1517	1590	823	1390	1447	700

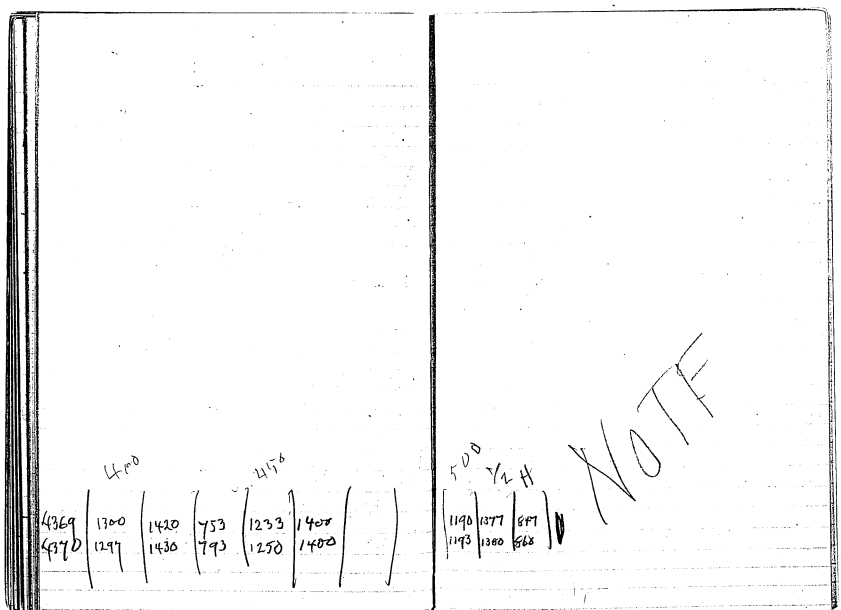
1367	1397	773	1367	1440	790
1373	1433	1187	1353	1427	1480


350
400
450
4325 1327 1400 447 1247 1340 650
4326 1327 1413 640 1250 1357 620
1127 1247 673
1147 1323 700
NOTE

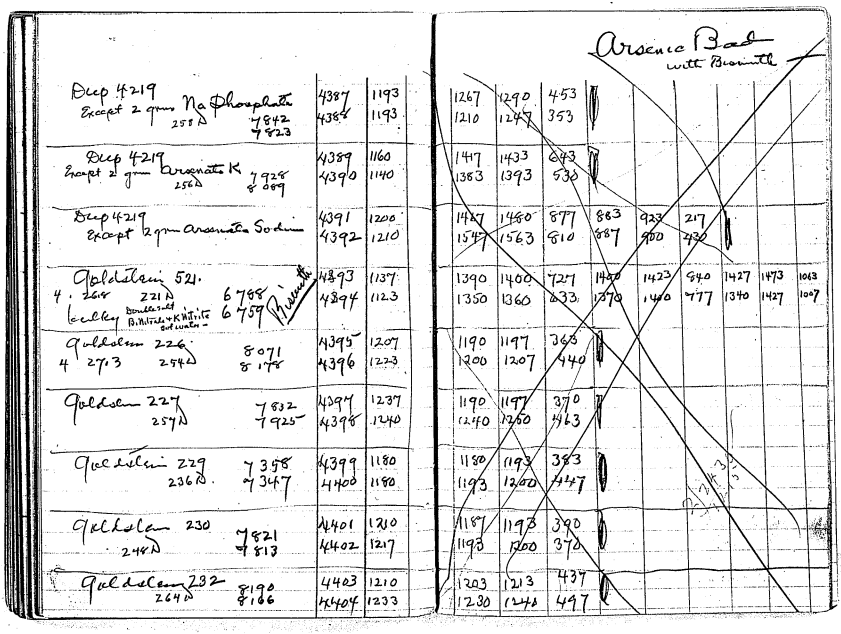

3000 Milliamps per gram
Lot 44f 854 – 7393 7433
4.6=2.4.2
263D
4354 1203
4356 1223
1153 1163 457
1160 1163 460
Ra 1298 (1164) Expmt
259D
8042
8017
4357 1133
4358 1143
1043 1050 313
1060 1067 323
Ra 1299 Expmt (1164)
262D
8024
8038
4359 1153
4360 1123
1067 1070 307
1040 1047 263
Goldschm 526
+ 50% Copper
8260
8273
4361 907
4362 890
1037 1050 407
1037 1050 390
Goldschm 527
50% Ba(OH)2
230D
7174
7187
4363 970
4364 977
1000 1017 630
1017 1033 630
Goldschm 528
50% Fe2O3
277D
8442
8430
4365 193
4366 187
283 313 50
267 297 53
Goldschm 50% MnO2
219D
6291
6270
4367 250
4368 260
497 520 397
470 507 397
156
Goldschm 534
95% Co3O4
264D
7819
7836
4369 1067
4370 1083
1453 1493 663 1400 1457 670 1383 1417 657
1490 1537 730 1480 1503 670 1400 1460 710

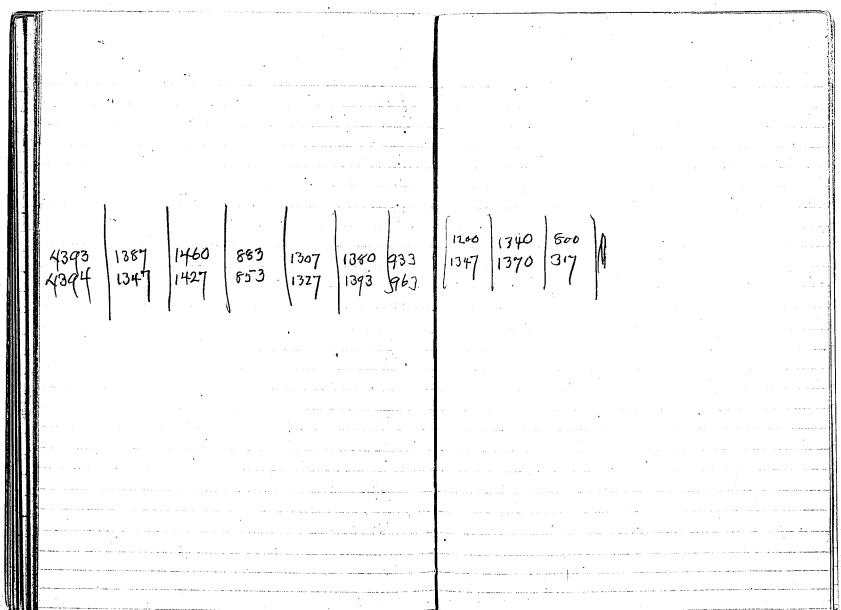
	1200			1350		
4369	1390	1463	720	1353	1420	757
4370	1410	1473	740	1357	1420	733

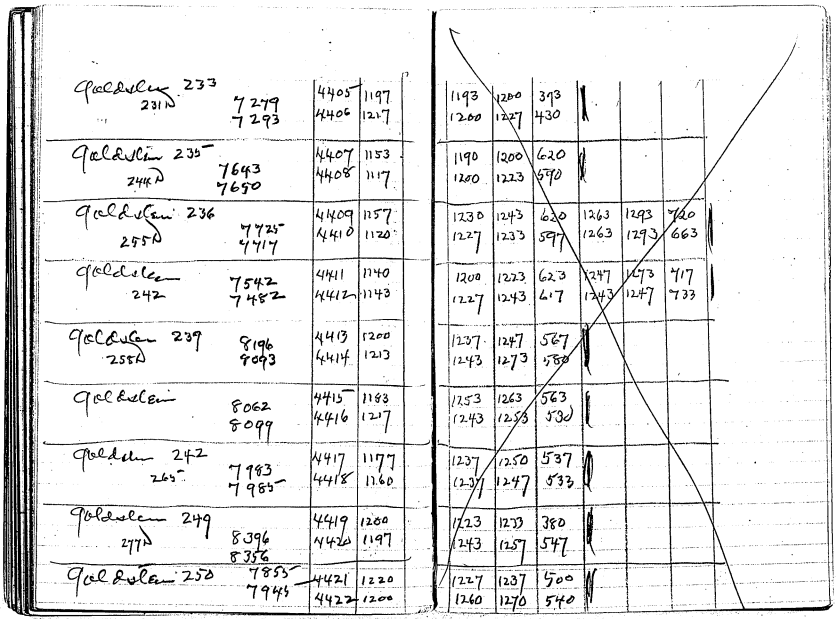
3mm				1750		
1357	1430	753	1353	1427	863	
1353	1427	793	1370	1440	853	


4360
4370
1300
1297
1420
1430
753
793
1233
1250
1405
1400
1190
1193
1377
1360
691
688
NOTE

Dup of 4289	4371	1213	1547	1567	837	1587	1667	1050	
Bismuth	4372	1213	1530	1553	760	1520	1657	973	
Dup 4219 – 4289	4373	0	00						
,	4374	0	02						
854 – 90% MnOH 5% $BiOX_3$ + 5% Cobalt by prec. like Co of Bi. Illum 100 sec 190 – 7437 7376	4375	1223	1433	1450	683	1400	1427	767	
	4376	1203	1373	1390	637	1400	1423	807	
Std 854 + mix of 85% MnOH 10% CoOH, + 5% Bi_2O_3 Illum 100 sec 190 – 27 – 4 – 2350 7318 7383	4377	1200	1367	1383	720	1410	1450	850	
	4378	1210	1357	1367	713	1400	1443	843	
854 – 80% MnOH 15% CoOH. 5% Bi_2O Illum 100 sec 190 – 4 27 2360 7386 7474	4379	1150	1307	1323	717	1390	1407	877	
	4380	1163	1333	1353	773	1400	1423	860	
854 85% MnOH 5% CoOH. 10% Bi_2O Illum 100 sec 190 2490 7620 7657	4381	1207	1487	1497	853	1473	1573	910	
	4382	1187	1523	1540	840	1589	1613	947	
Dup 4219 Except 2 gm Methylphosphate K 2590 7800 7747	4383	1163	1287	1300	453				
	4384	1067	1067	1083	227				
854 – 90% MnOH. 10% CoOH. 10% Bi_2O Illum 100 sec 190 – 27.2 4 7620 7633	4385		1503	1530	963	1517	1550	1077	
	4386		1523	1550	997	1527	1560	1103	


Arsenic Bad
with Bismuth
Dscp 4219
Except 2 gms Na Phosphate
258 D
7842
7823
4387
4388
1193
1193
1267
1210
1290
1247
453
353
Dscp 4219
Except 2 gms Bicarbonate K
256 D
7928
8009
4389
4390
1160
1140
1447
1383
1433
1393
643
530
Dscp 4219
Except 2 gms arsenate Sodium
4391
4392
1200
1210
1447
1547
1480
1563
877
810
883
887
923
900
217
430
Qaldalsen 521.
4 . 268 221 D
Leckby
6788
6759
Bismuth
4393
4394
1137
1123
1390
1350
1400
1360
727
633
1420
1370
1423
1460
840
777
1427
1340
1473
1427
1063
1007
Qaldalsen 226
4 27.3 254 D
8071
8178
4395
4396
1207
1223
1190
1200
1197
1207
368
440
Qaldalsen 227
257 D
7832
7925
4397
4398
1237
1240
1190
1240
1197
1260
370
463
Qaldalsen 229
236 D
7358
7347
4399
4400
1180
1180
1180
1193
1193
1200
383
447
Qaldalsen 230
248 D
7821
7813
4401
4402
1210
1217
1187
1193
1193
1200
390
370
Qaldalsen 232
264 D
8190
8186
4403
4404
1210
1233
1203
1230
1213
1248
437
497


4393 1387 1460 883 1307 1380 933 1200 1340 800
4394 1347 1427 853 1327 1393 867 1347 1370 317



Gelchsten 251	8032	4423	1247	1283	1293	543				
258N	8089	4424	1247	1263	1277	537				
Gelchsten 536 ·	7032	4425	1003	1600	1017	667				
233N	7011	4426	990	963	993	640				
40% from Geochy										
Gelchsten 522		4427	1157	1313	1327	810	1287	1333	790	what is it
207N	6496	4428	1163	1227	1237	810	1290	1340	797	
Geoff Cowling very fine Cly	6499									
Gelchsten	6394	4429	1177	1413	1437	873	1300	1353	1023	what is it
214N	6427	4430	1183	1418	1423	807	1333	1397	1050	
Dup 3922 RA 1227)		4431	1257	1220	1223	577	1197	1243	713	
	7605	4432	1213	1200	1210	573	1193	1223	687	
	7583									
Mix taken from old 9279-9288		4443	1380	1293	1327	920	1283	1343	930	
Inter-weaved grass ROM dried	8.358	444								
Interlayer of silt/clay apart on 15th -										
seemed, was treated with H_2O_2 by. then										
weighed + dried — used as MIX.										
Thick lake off roadway - hop + pink										
Inspection flake in ft. Cemented										
sticky plug up -										
Dup 4219 Except		4444	1167	1490	1567	817	983	1667	653	
2 pm Pyrophos Pleak		4445	1170	1487	1587	730	1290	1587	567	

				200	1/2	1f
4427	1317	1387	877	1290	1370	957
4428	1303	1383	927	1300	1390	920
4429	1360	1417	990	1363	1450	1000
4430	1383	1443	960	1383	1467	1000
4431	1217	1307	760			
4432	1240	1287	790			
4443	1327	1387	947	1383	1460	547

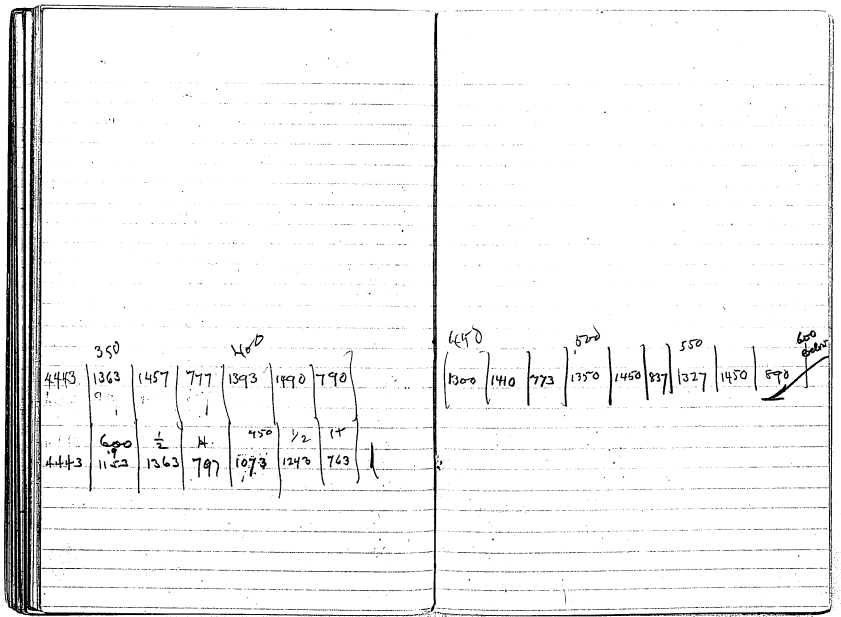
Note

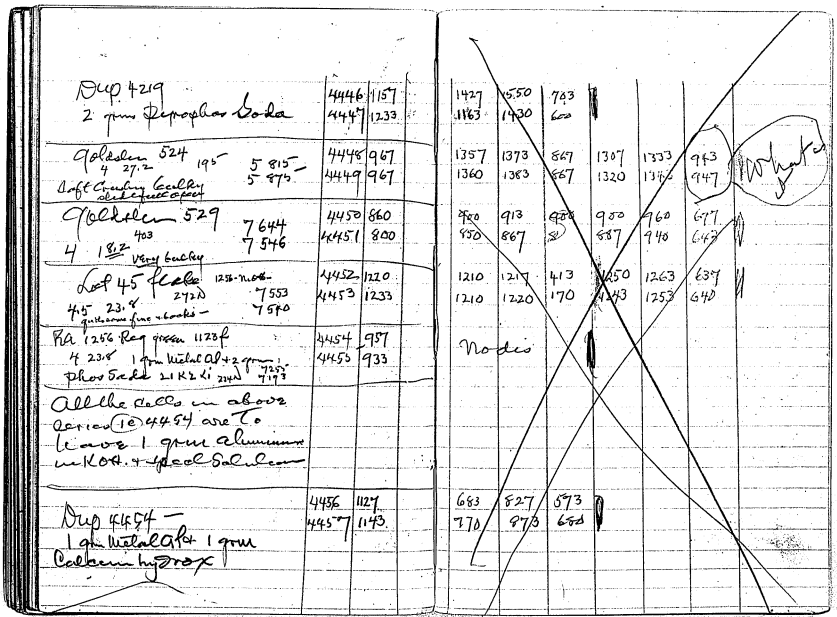
Note this Very Remarkable effect these Tubes (from selected Moth taken) were

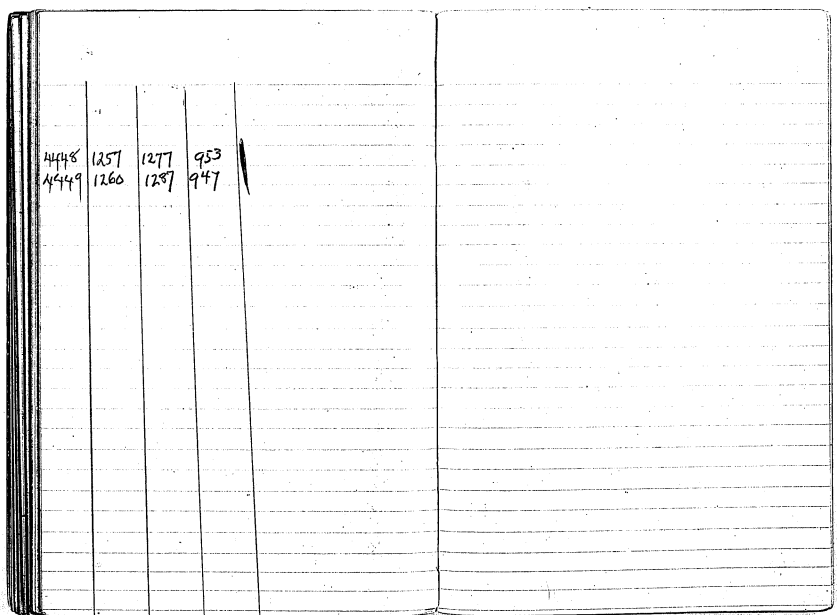
900 Slightly Heat

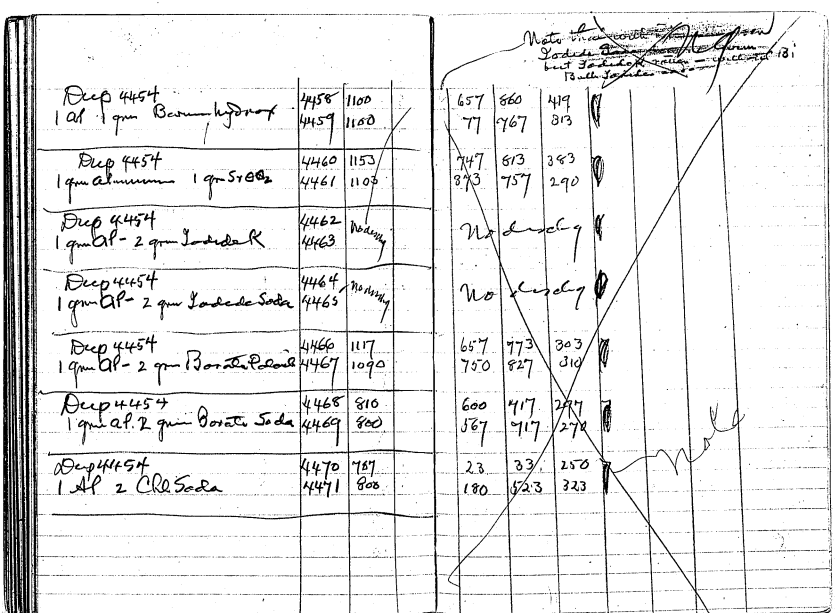
250

1385	1463	837	1447	1533	858


350
400
4443
1363
1457
777
1393
1490
790
600
1122
1/2
1363
797
450
1093
1/2
1243
74
743
4443
4450
1300
1440
773
525
1350
1450
837
550
1327
1450
590
600

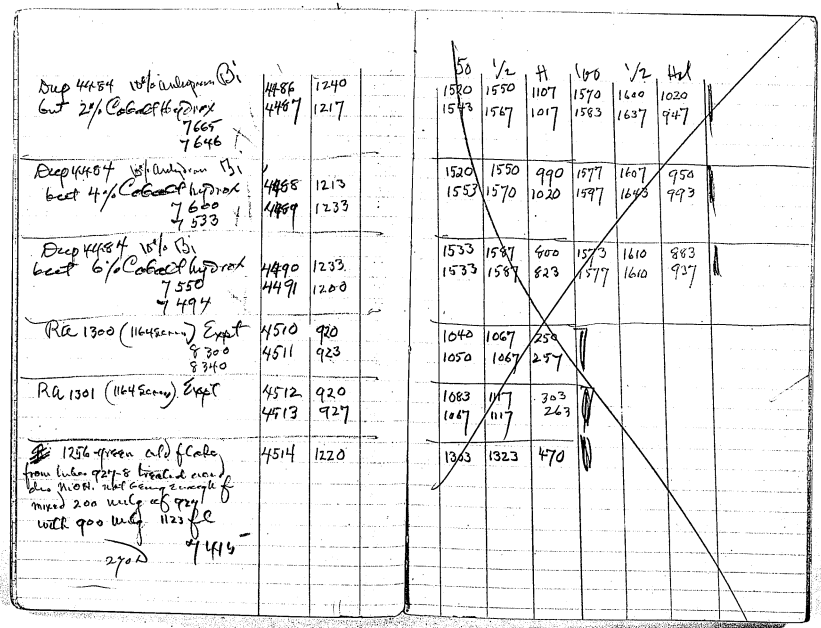



4448 1257 1277 953
4449 1260 1287 947


Dup 4454
1 Al 1 gm Boron hydroxy
4458 1100
4459 1150
657 860 419
77 767 313
Dup 4454
1 gm aluminum 1 gm SrCO3
4460 1153
4461 1105
747 613 383
873 757 290
Dup 4454
1 gm Al - 2 gm Iodide K
4462 Nodeposit
4463
No deposit
Dup 4454
1 gm Al - 2 gm Iodide Soda
4464 No deposit
4465
No deposit
Dup 4454
1 gm Al - 2 gm Boric Acid
4466 1117
4467 1090
657 773 303
750 827 310
Dup 4454
1 gm Al 2 gm Boric Soda
4468 810
4469 800
600 717 277
567 717 272
Dup 4454
1 Al 2 Cl Soda
4470 787
4471 808
23 33 250
180 523 323

Notebook, N-13-10-20.1

			only one of Alumn given 9200 ½						
Deep 4454	4472	1127	653	1533	320	0	0	0	
1 Al – 2 KCl	4473	1133	606	1493	323	0	0	0	
Deep 4454	4474	983							
1 Al 2 Fluor. La Sulfa	4475	983	No develop						
Deep 4454	4476	1093							
1 Al – 2 fluoresc. P. Sulfa	4477	1093	No develop						
Deep 4454	4478	1100	23	37	250				
1 Al - 2 aromatic P. Sulfa	4479	1120	183	343	233				
Deep 4454	4480	1110							
1 Al 2 Aromatic Sulfa	4481	1110	No develop						
Deep 4454	4482	957							
1 Al - 1 gm Aluminum	4483	957	No develop						
12.5% Ni with 10% B_2O_3 fused Nickel oxide	4484		1570	1587	1057	1533	1600	1071	
1% Cobalt oxide "	4485		1510	1550	1077	1580	1643	933	
2550 7732 7752									



Dup 4484 10% anhydrous Bi
Gut 2% Cobalt hydroxy
7665
7646

4486 1240
4487 1217

Dup 4484 10% anhydrous Bi
Gut 4% Cobalt hydroxy
7660
7533

4488 1213
4489 1233

Dup 4484 10% Bi
Gut 6% Cobalt hydroxy
7550
7494

4490 1233
4491 1200

RA 1300 (1164 Screw) Expt
8300
8340

4510 920
4511 923

RA 1301 (1164 Screw) Expt

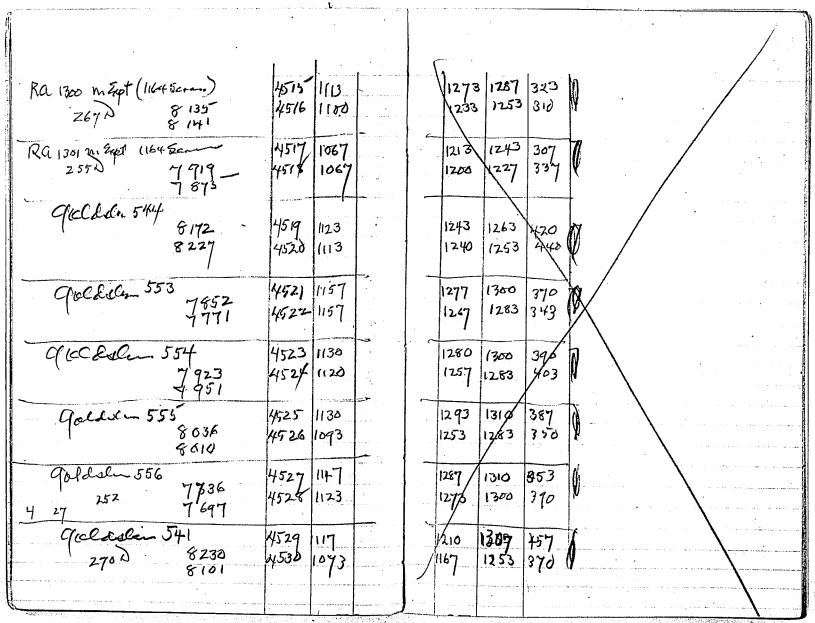
4512 920
4513 927

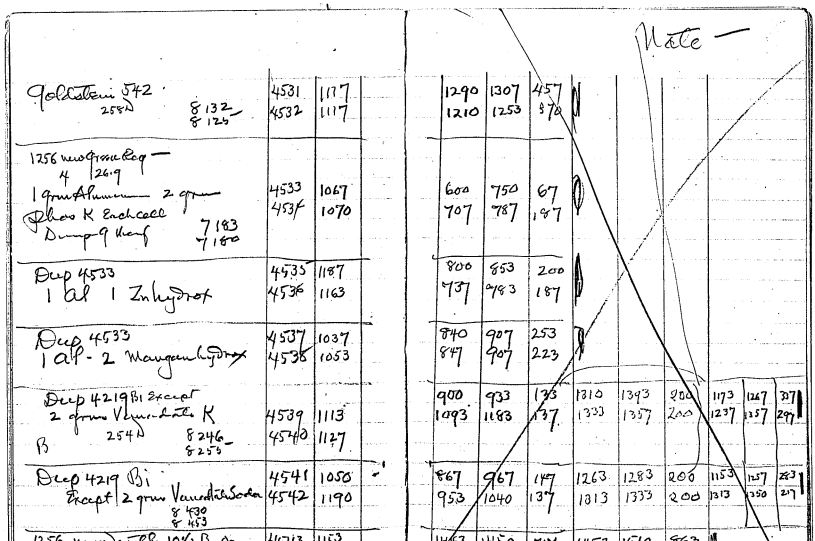
1256 green old from tubes 927-8 treated over Mo Bi, what comes through mixed 200 mlg of 927 with 900 mlg 1123 fe

4514 1220

2702

50	1/2	H	100	1/2	Hal
1520	1550	1107	1570	1600	1020
1543	1567	1017	1583	1637	947
1520	1550	990	1577	1607	950
1553	1570	1020	1597	1643	993
1533	1587	800	1573	1610	883
1533	1587	823	1577	1610	937
1040	1067	250			
1050	1067	257			
1083	1117	303			
1067	1117	263			
1303	1323	470			


RA 1300 m Sept (1164 Scram)
267
8 135
8 141
4515
4516
1113
1180
1273
1287
323
1233
1253
310
RA 1301 m Sept (1164 Scram)
255
7 919
7 873
4517
4518
1067
1067
1218
1243
307
1200
1227
337
Goldilocks 544
8172
8227
4519
4520
1123
1113
1243
1263
320
1240
1253
348
Goldilocks 553
7852
7771
4521
4522
1157
1157
1277
1300
370
1247
1283
349
Goldilocks 554
7923
7951
4523
4524
1130
1120
1280
1300
396
1257
1283
403
Goldilocks 555
8036
8010
4525
4526
1130
1093
1293
1310
387
1253
1283
350
Goldilocks 556
252
7736
7697
4527
4528
1147
1123
1287
1310
853
1275
1300
390
4 27
Goldilocks 541
270
8230
8101
4529
4530
117
1093
1210
1307
357
1167
1253
370

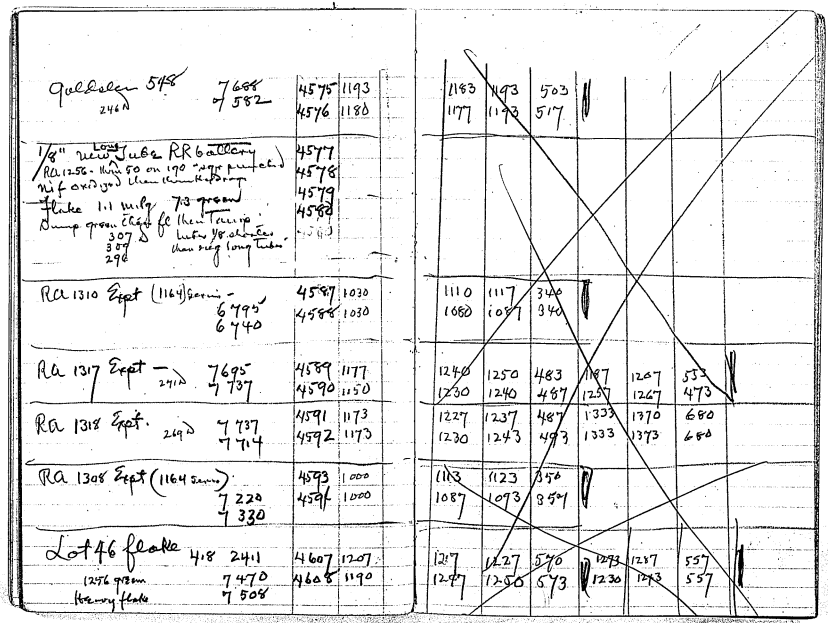

Mole

Dup Except 4543 10% Bi 2% CuO 7600 7575	4545 4546	1197 1180	1447 1443	1473 1453	990 703	1527 1533	1577 1577	860 863			
Dup 4543 – 10% Bi Except 4% CuO 7820 7872	4547 4548	1177 1180	1390 1383	1400 1400	699 700	1467 1483	1500 1510	793 777			
Dup 4543 10% Bi Except 6% CuO 7896 7944	4549 4550	1163 1157	1377 1377	1383 1387	983 803	1450 1450	1473 1473	860 820			
1256 mixed with 10% Bi2O3 from 100 6m190 1123 of 12% NaOH + 2 grm LiOH. 7996 7544	4551 4552	1260 1250	1387 1400	1400 1417	823 823	1333 1450	1490 1538	957 1003			
Dup 4551 – 10% Bi Except 14% NaOH 2 LiOH.	4553 4554	1250 1250	1460 1460	1513 1510	927 930	1433 1433	1560 1583	1057 1063			
Dup 4551 10% Bi Except 16% NaOH, 2 LiOH	4555 4556	1230 1227	1490 1503	1637 1633	967 967	1440 1483	1620 1620	1117 1143			
Dup 4551 10% Bi Except 18% NaOH 2 LiOH.	4557 4558	1250 1230	1553 1530	1620 1600	1027 1003	1473 1467	1660 1650	1133 1147			

Dup 4551 – 10% Bi 20% NaOH. 2 dl		4559	1258
		4560	1237
Dup 4551 22% NaOH 2 dl 10%		4561	1233
		4562	1233
Dup 4551 24% NaOH 2 dl		4563	1173
		4564	1200
Dup 4454 21K 2 dl 1 gm aluminum + 2 grams ammonium acetate	7 184 1100	4565	1133
		4566	1133
Tol Sulfon 543 – 253 D	7868	4567	1200
	7712	4568	1220
Tol Sulfon 545 273	8368	4569	1180
	8330	4570	1133
Tol Sulfon 546 253 D	7760	4571	1190
	7706	4572	1200
Tol Sulfon 547 234 D	7474	4573	1193
	7364	4574	1177

Note

1523	1657	1007	1385	1607	1163	
1500	1647	980	1317	1563	1177	
1407	1547	1053	1260	1477	1190	
1390	1507	1060	1260	1427	1205	
1390	1523	1067	1400	1633	1030	
1443	1590	963	1400	1610	833	
0	364	113				
287	653	100				
1183	1193	390				
1213	1233	397				
1183	1190	373				
1167	1177	400				
1177	1167	400				
1213	1227	493				
1197	1193	457				
1180	1187	460				


Goldsboro 548
7698
7582
246N
4575 1193
4576 1180
1/8" new Lowe tube RR6 allergy
RA 1256 - Wash 50 on 190 - 275 purified
Wif and yod then Kl Borry
Fluke 1:1 mix 7:3 green
Dump green CHCl3 fl then Tricrip
307 S
307
298
4577
4578
4579
4580
RA 1310 Expt (1164) Gamma -
6795
6740
4587 1030
4588 1030
RA 1317 Expt - 2411
7695
7737
4589 1177
4590 1150
RA 1318 Expt. 249D
7737
7714
4591 1173
4592 1173
RA 1308 Expt (1164 Gamma)
7220
7330
4593 1000
4594 1000
Lot 46 flake 418 2411
1256 green
Heavy flake
7470
7508
4607 1207
4608 1190
1183 1193 503
1177 1193 517
1110 1117 340
1080 1087 340
1240 1250 483 1187 1207 553
1230 1240 487 1257 1247 473
1227 1237 487 1333 1370 680
1230 1243 493 1333 1373 680
1113 1123 356
1087 1093 354
1217 1227 570 1273 1287 557
1247 1250 573 1230 1243 557

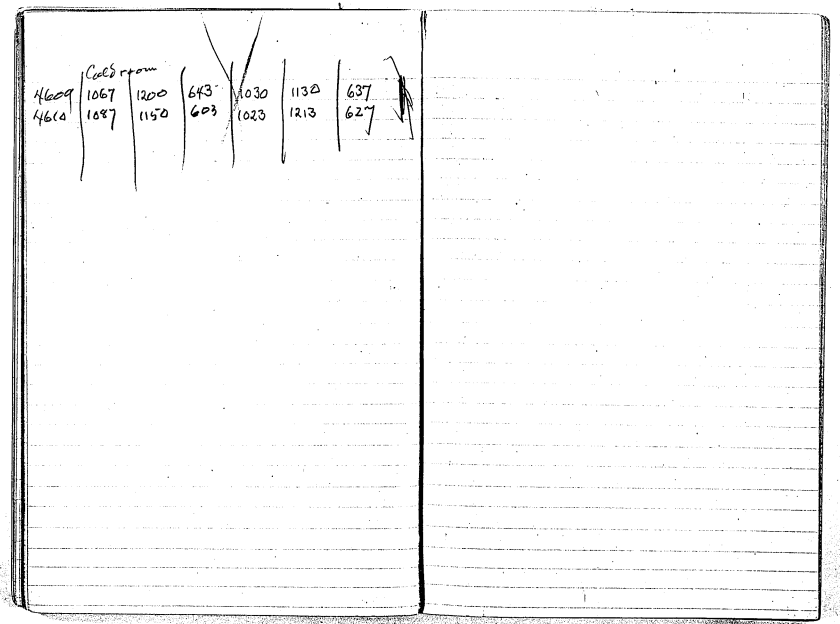
	15"			
4591	1313	1350	600	
4592	1320	1363	641	

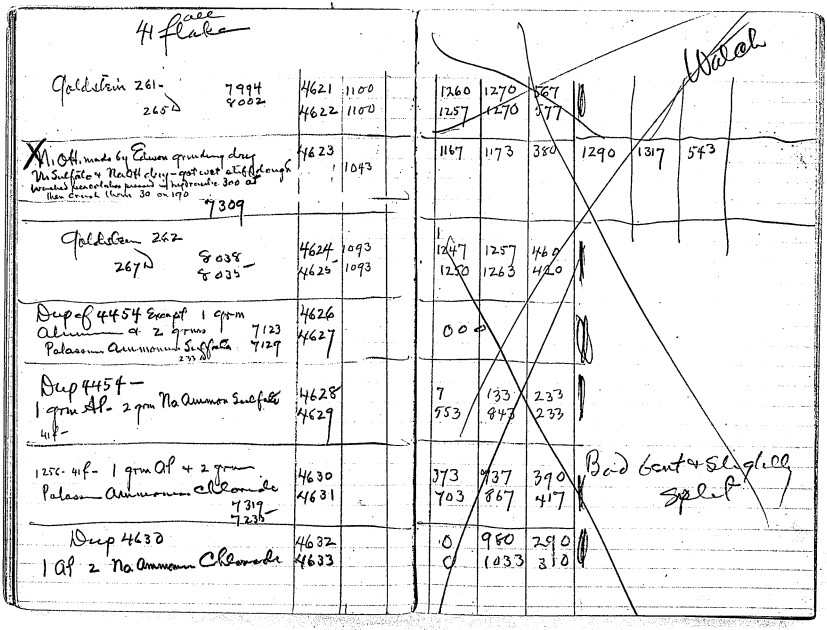
41 flake Serenaflex

Recovered Ni flake from SBC
long tube test runs — treated with
33% + 50% glycerin hot, then water,
then acid — Screen-fines then 30
mesh out. 27.3 4.3
1856 green 231N 7 145
7 132

		4609	1140	1273	1293	590	1400	1450	843
		4610	1190	1277	1297	547	1400	1458	827
	Goldstein 252								
27-4	271N	8382	4611	1100	1243	1253	527		
		8363	4612	1100	1277	1299	584		
41f	Goldstein 254 -	8036	4613	1100	1243	1257	570		
	263N	7961	4614	1100	1263	1283	540		
	Goldstein 256								
41f	271N	8177	4615	1100	1200	1217	447		
		8177	4616	1100	1227	1240	413		
	Goldstein 258	8433	4617	1067	1223	237	523		
	272N	8393	4618	1100	1250	1267	534		
41f	Goldstein 260	7778	4619	1067	1230	1240	437		
	254N	7747	4620	1040	1190	1200	430		

4609	1327	1433	757	1267	1397	787	1247	1380	477	1230	1393	700
4610	1373	1427	753	1267	1393	770	1250	1367	680	1208	1377	684


Cool room
4609 1067 1200 643 1030 1130 637
4610 1087 1150 603 1023 1213 627


4l flake
Goldstein 261-
265D
7994
8002
4621 1100
4622 1100
1260 1270 567
1257 1270 577
Water
Mix Alk. made by Eamon grinding dry
Mn Sulfate + NaOH dry - got wet after long
Warmed beforehand passed of Hydroxide 300 at
Then Cooled (both 30 on 190
4623 1043
1167 1173 380 1290 1317 543
7309
Goldstein 262
267D
8038
8035
4624 1093
4625 1093
1247 1257 469
1250 1263 420
Dup of 4454 Except 1 gm
Alum + 2 gms
Potassium Ammonium Sulfate
7123
7129
4626
4627
00
Dup 4454 -
1 gm Alk - 2 gm Na Ammon Sulfate
4628
4629
7 133 233
553 843 233
Bad Gent + Slight Split
4l f -
1256. 4l f - 1 gm Alk + 2 gms
Potassium Ammonium Chloride
7319
7235
4630
4631
373 737 390
703 867 417
Dup 4630
1 Alk 2 Na Ammon Chloride
4632
4633
0 980 290
0 1033 310

4623	150 1290	1313	500	200 1320	½ 1370	H 577

250 1313	½ 1370	H 663	300 1300	½ 1413	Half 637	6[illegible]

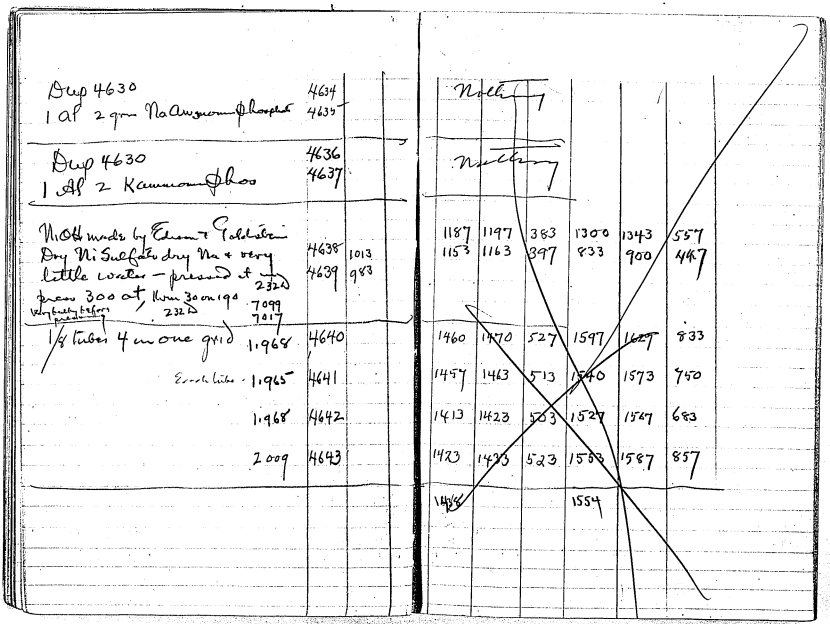
	350	½	Hot	400	½	#
4623	Cold 1183	room 1327	580	1097	1243	633

NOTE

Dry process with Rolls seam to be inside

Loose Cotton Cloth

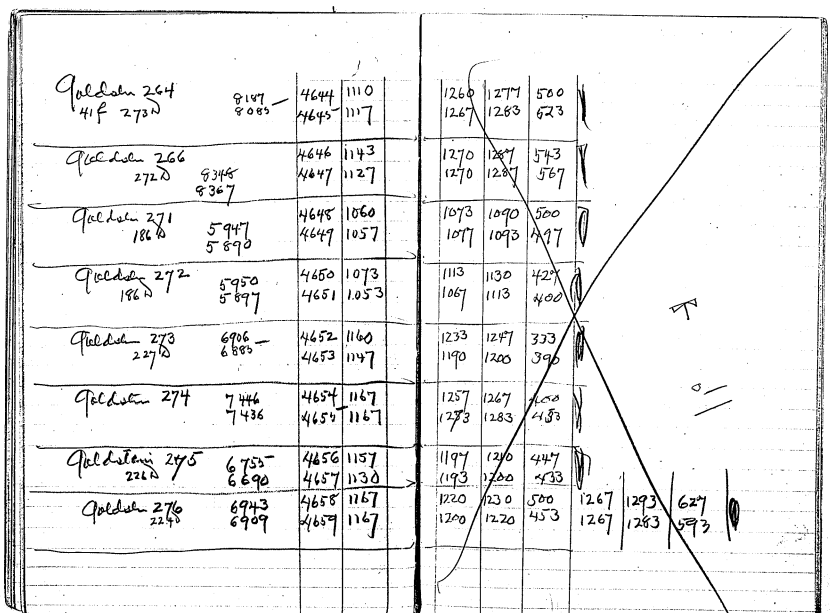
Remove every 48 hours during autoclaving

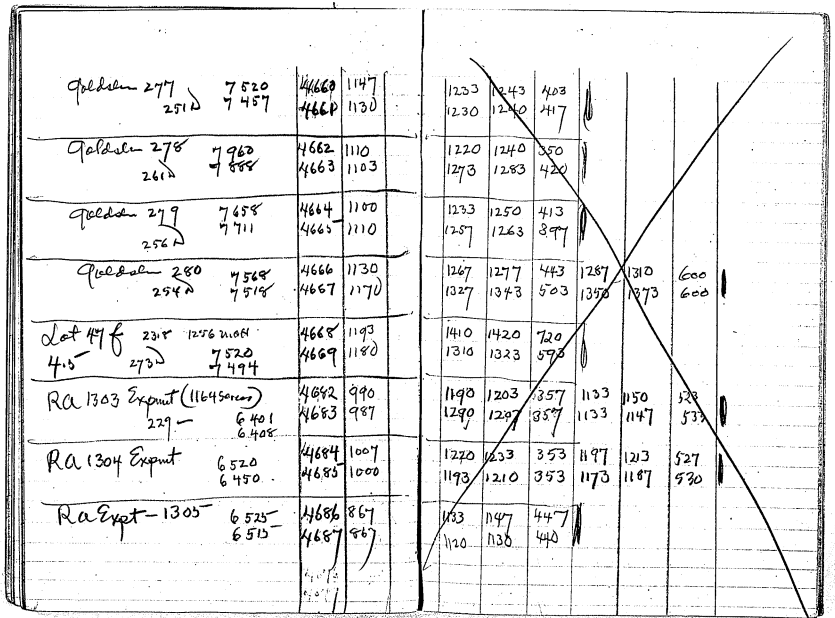

Dup 4630
1 ml 2 gm NaAmmonium phosphate
4634
4635
Dup 4630
1 ml 2 Kammonium phos
4636
4637
Nodules
Nodules
Mott made by Edmund Goldsbrough
Dry Mi Sulfate dry Na + very little water — pressed it
4638
4639
1013
983
2320
2320
7099
7017
1187 1197 383 1300 1343 557
1153 1163 397 833 900 447
1/8 tubes 4 in one grid
1.968
4640
1460 1470 527 1597 1627 833
Each tube
1.965
4641
1454 1463 513 1540 1573 750
1.968
4642
1413 1423 503 1527 1547 683
2.009
4643
1423 1433 523 1553 1587 857
1554

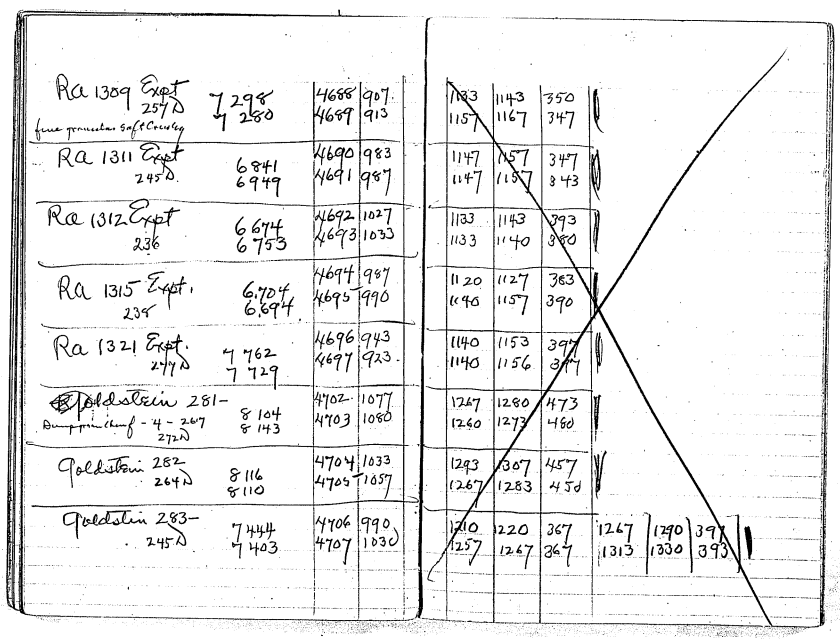
	15°		
4638	1303	1357	550
4639	847	907	463
4640	1523	1590	733
4641	1497	1550	653
4642	1483	1530	640
4643	1527	1577	640
	1508		

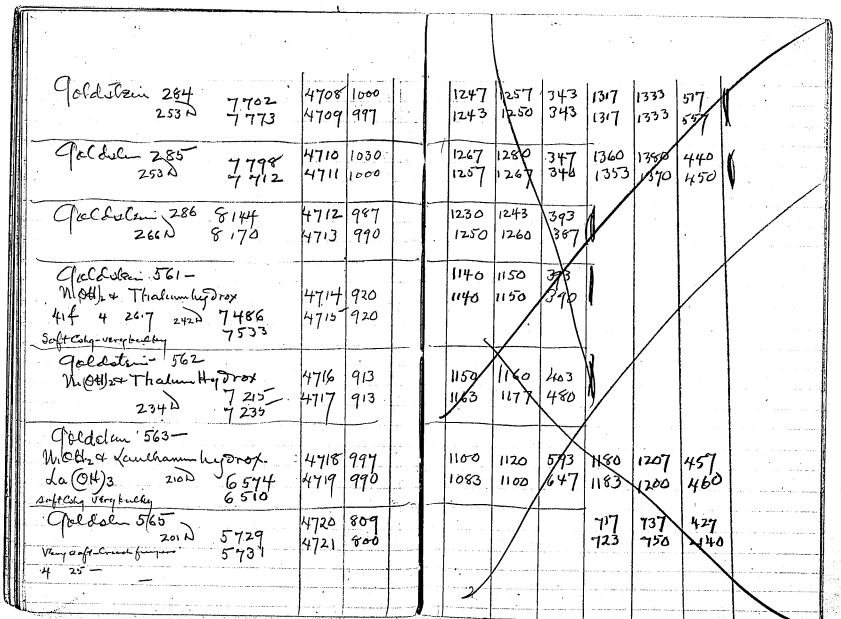
1467	1573	677	1393	1507	737
1443	1550	683	1357	1477	763
1480	1573	700	1320	1433	667
1527	1607	790	1380	1513	657
1479					

	300			Cold room			400	1/2	ft	450	1/2	ft	500		
4640	1370	1507	757	1217	1380	697	1183	1297	627	1130	1217	767	1063	1130	800
4641	1323	1463	793	1160	1337	733	1163	1293	667	1160	1260	797	1060	1130	80
4642	1333	1487	747	1197	1333	727	1153	1297	677	1103	1213	767	1040	1103	80
4643	1393	1507	690	1250	1397	740	1223	1353	697	1220	1353	810	1140	1220	80

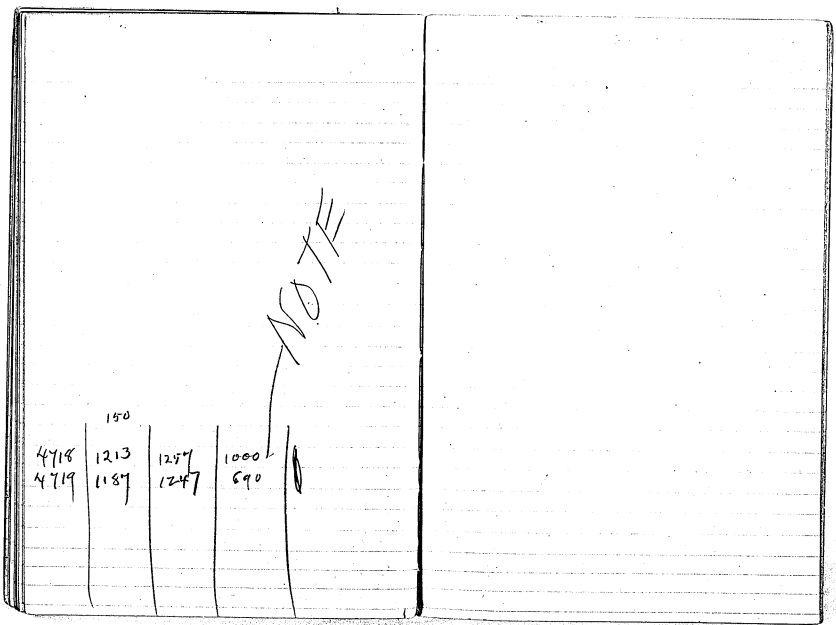

Goldstein 264
41f 273N
8187
8085
4644
4645
1110
1117
1260
1267
1277
1283
560
623
Goldstein 266
272N
8348
8367
4646
4647
1143
1127
1270
1280
1287
1283
543
567
Goldstein 271
186N
5947
5890
4648
4649
1060
1057
1073
1077
1090
1093
500
497
Goldstein 272
186N
5950
5897
4650
4651
1073
1053
1113
1067
1130
1113
427
400
Goldstein 273
227N
6906
6885
4652
4653
1160
1147
1233
1190
1247
1200
333
390
Goldstein 274
7446
7436
4654
4655
1167
1167
1257
1273
1267
1283
410
483
Goldstein 275
226N
6752
6690
4656
4657
1157
1130
1197
1193
1210
1200
447
433
Goldstein 276
224N
6943
6909
4658
4659
1167
1167
1220
1200
1230
1220
500
453
1267
1267
1293
1283
627
593

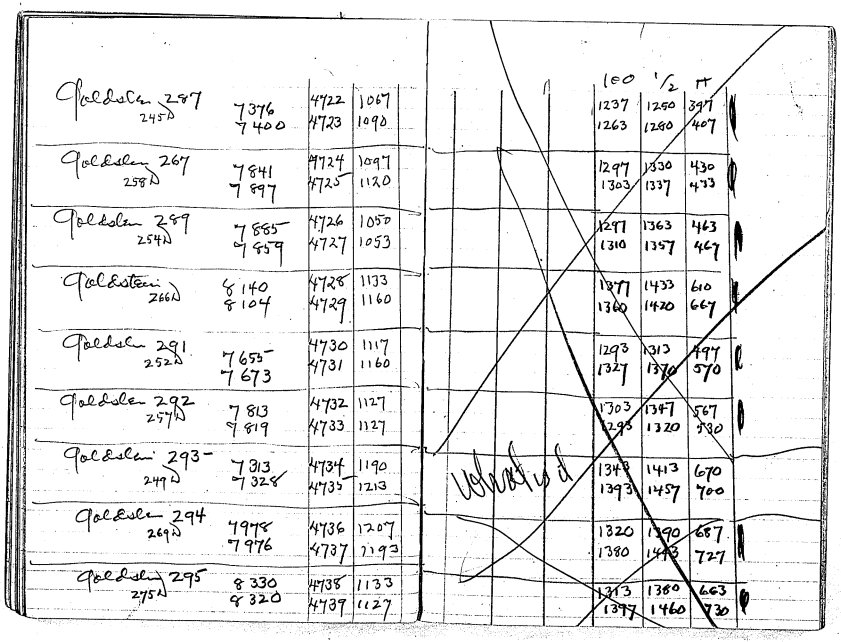

Goldsh 277
251 D
7520
7457
4669
4669
1147
1130
1233 1243 403
1230 1240 417
Goldsh 278
261 D
7960
7888
4662
4663
1110
1103
1220 1240 350
1273 1283 420
Goldsh 279
256 D
7658
7711
4664
4665
1100
1110
1233 1250 413
1257 1263 397
Goldsh 280
254 D
7568
7518
4666
4667
1130
1170
1267 1277 443 1287 1310 600
1327 1343 503 1353 1373 600
Lot 47 f
4.5
238
273 D
1256 11.06N
7520
7494
4668
4669
1193
1180
1410 1420 720
1316 1323 598
Ra 1303 Exput (1164 screen)
229
6401
6408
4682
4683
990
987
1198 1203 357 1133 1150 528
1290 1297 357 1133 1147 533
Ra 1304 Exput
6520
6450
4684
4685
1007
1000
1270 1233 353 1197 1213 527
1193 1210 353 1173 1187 530
Ra Expt 1305
6525
6515
4686
4687
867
867
1133 1147 447
1120 1130 440

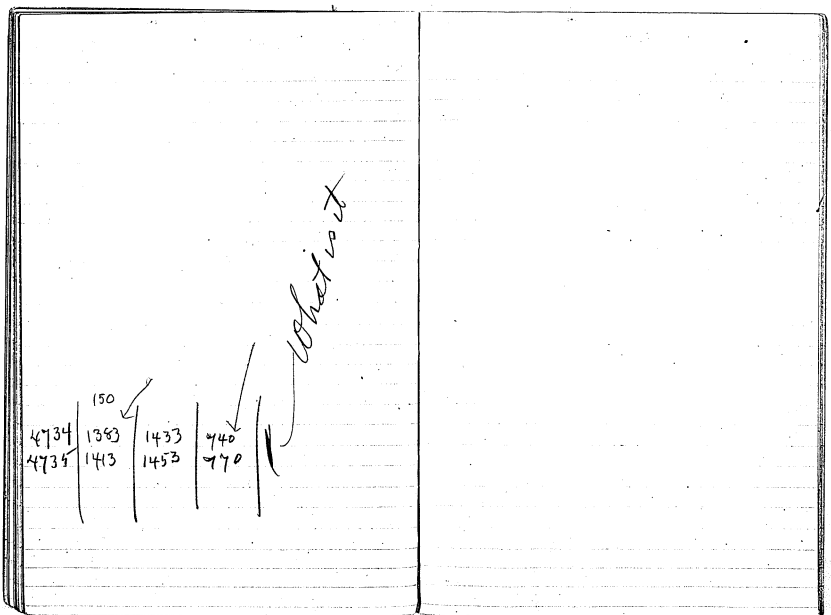

Ra 1309 Expt
254D
7298
7280
4688
4689
907
913
1133
1143
350
1157
1167
347
fume generation safety Circuitry
Ra 1311 Expt
245D.
6841
6949
4690
4691
983
987
1147
1157
347
1147
1157
343
Ra 1312 Expt
236
6674
6753
4692
4693
1027
1033
1133
1143
393
1133
1140
380
Ra 1315 Expt.
234
6704
6894
4694
4695
987
990
1120
1127
383
1146
1157
390
Ra 1321 Expt.
247D
7762
7729
4696
4697
943
923
1140
1153
397
1140
1156
347
Goldstein 281-
Burn in chuf - 4 - 267
272D
8104
8143
4702
4703
1077
1080
1247
1280
473
1260
1273
480
Goldstein 282-
264D
8116
8110
4704
4705
1033
1057
1293
1307
457
1267
1283
459
Goldstein 283-
245D
7444
7403
4706
4707
990
1030
1210
1220
367
1257
1267
367
1247
1290
397
1313
1330
393

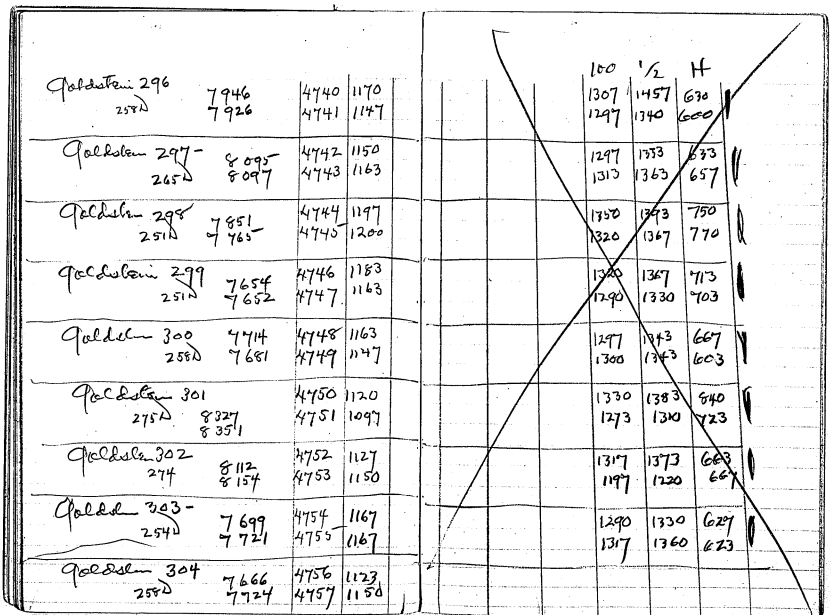


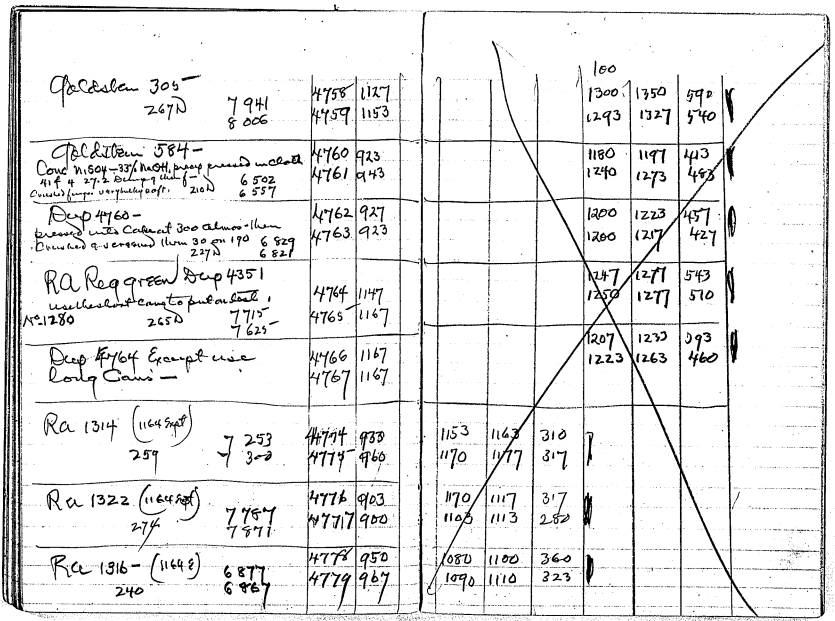
Goldstein 284 — 7702 / 7773 — 4708 1000 / 4709 997 — 1247 1257 343 1317 1333 517 / 1243 1258 343 1317 1333 557
253 N
Goldstein 285 — 7798 / 7712 — 4710 1030 / 4711 1000 — 1267 1280 347 1360 1380 440 / 1257 1267 348 1353 1370 450
253 N
Goldstein 286 — 8144 / 8170 — 4712 987 / 4713 990 — 1230 1243 393 / 1250 1260 387
266 N
Goldstein 561 — 4714 920 / 4715 920 — 1140 1150 / 1140 1150
Mn(OH)2 & Thalium hydrox
414 4 26.7 242N 7486 / 7533
Soft Coky - very bucky
Goldstein 562 — 4716 913 / 4717 913 — 1159 1160 463 / 1163 1177 480
Mn(OH)2 & Thalium Hydrox
234 N 7215 / 7239
Goldstein 563 — 4718 997 / 4719 990 — 1100 1120 573 1150 1207 457 / 1083 1100 647 1183 1200 460
Mn(OH)2 & Lanthanum hydrox.
La(OH)3 210N 6574 / 6510
soft Coky very bucky
Goldstein 565 — 4720 809 / 4721 800 — 717 737 427 / 723 750 440
201 N 5729 / 5731
Very soft - cannot finger nail
4 25 — —

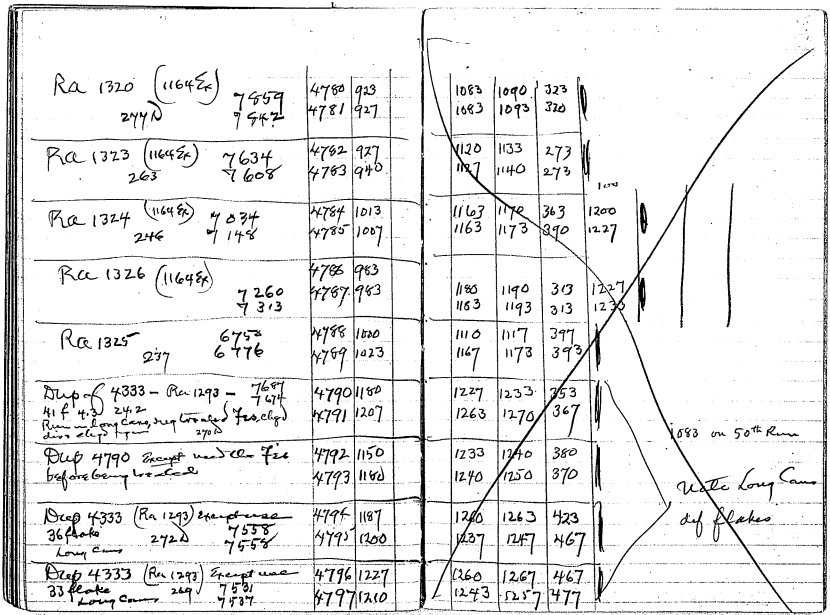

NOTE
150
4718 1213 1257 1000
4719 1187 1247 690

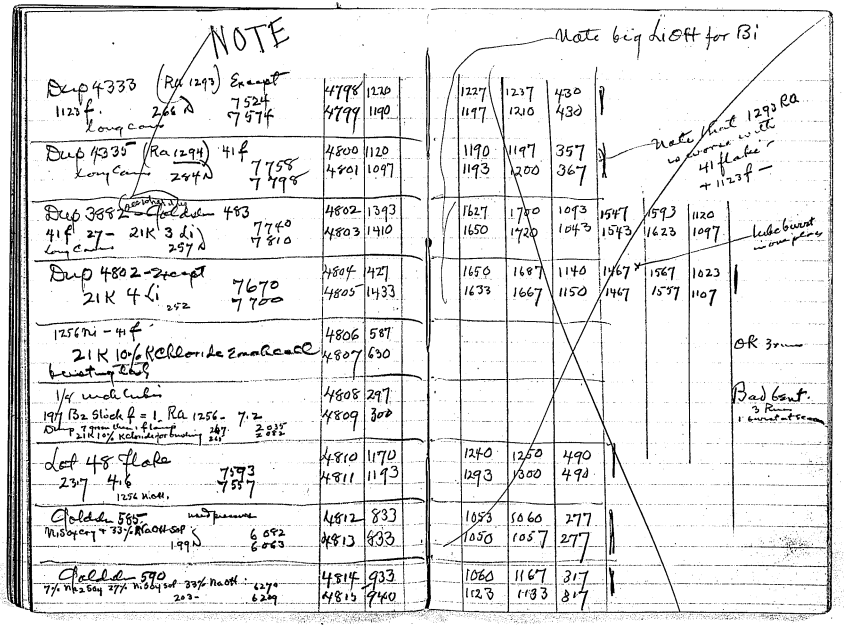

Goldsilver 287
245D
7376
7400
4722
4723
1067
1090
1237
1263
1260
1280
397
407
Goldsilver 267
258D
7841
7897
4724
4725
1097
1120
1297
1303
1330
1337
430
433
Goldsilver 289
254D
7885
7959
4726
4727
1050
1053
1297
1310
1363
1357
463
467
Goldsilver
266D
8140
8104
4728
4729
1133
1160
1377
1360
1433
1420
610
667
Goldsilver 291
252D
7655
7673
4730
4731
1117
1160
1293
1327
1313
1370
497
570
Goldsilver 292
257D
7813
7819
4732
4733
1127
1127
1303
1295
1347
1320
567
530
Goldsilver 293
249D
7313
7328
4734
4735
1190
1213
1348
1393
1413
1457
670
700
Goldsilver 294
269D
7978
7976
4736
4737
1207
1193
1320
1380
1390
1443
687
727
Goldsilver 295
275D
8330
8320
4738
4739
1133
1127
1313
1377
1380
1460
663
730
What is it


150
4734
4735
1383
1413
1433
1453
940
970
What is it


Goldstein 296
258N
7946
7926
4740
4741
1170
1147
Goldstein 297
245N
8095
8097
4742
4743
1150
1163
Goldstein 298
251N
7851
7765
4744
4745
1197
1200
Goldstein 299
251N
7654
7652
4746
4747
1183
1163
Goldstein 300
258N
7714
7681
4748
4749
1163
1147
Goldstein 301
275N
8327
8351
4750
4751
1120
1097
Goldstein 302
274
8112
8154
4752
4753
1127
1150
Goldstein 303
254N
7699
7721
4754
4755
1167
1167
Goldstein 304
258N
7666
7724
4756
4757
1123
1150
100
1/2
H
1307
1297
1457
1340
630
600
1297
1315
1353
1363
633
657
1350
1320
1393
1367
750
770
1380
1290
1367
1330
713
703
1297
1300
1343
1343
667
603
1330
1273
1383
1310
640
723
1317
1197
1373
1220
663
667
1290
1317
1330
1360
629
623


Qa Cdsilam 305 — 267D 7941 8006 4758 1127 4759 1153
Qa Cdsilam 584 — Cond 11504 — 33% MeOH, pump primed w/ cell 41 ℓ 4 27.2 Dump 1 cell (210D 6502 6557 4760 923 4761 943
Dup 4760 — pump into Cabaret 300 almos-llam Brunard 4-version llum 30 sm 190 227D 6829 6821 4762 927 4763 923
Ra Reg green Dup 4351 Mo 1280 265D 7715 7625 4764 1147 4765 1167
Dup 4764 Exempt use Long Cami — 4766 1167 4767 1167
Ra 1314 (1164 Sept) 259 7253 7303 4774 933 4775 960
Ra 1322 (1164 Sept) 274 7784 7871 4776 903 4777 900
Ra 1316 - (1164 E) 240 6877 6867 4778 950 4779 967
100
1300 1350 590
1293 1327 540
1180 1197 413
1240 1273 483
1200 1223 457
1200 1217 427
1247 1271 543
1250 1277 510
1207 1233 593
1223 1263 460
1153 1163 310
1170 1177 317
1170 1117 317
1105 1113 282
1080 1100 360
1090 1110 323

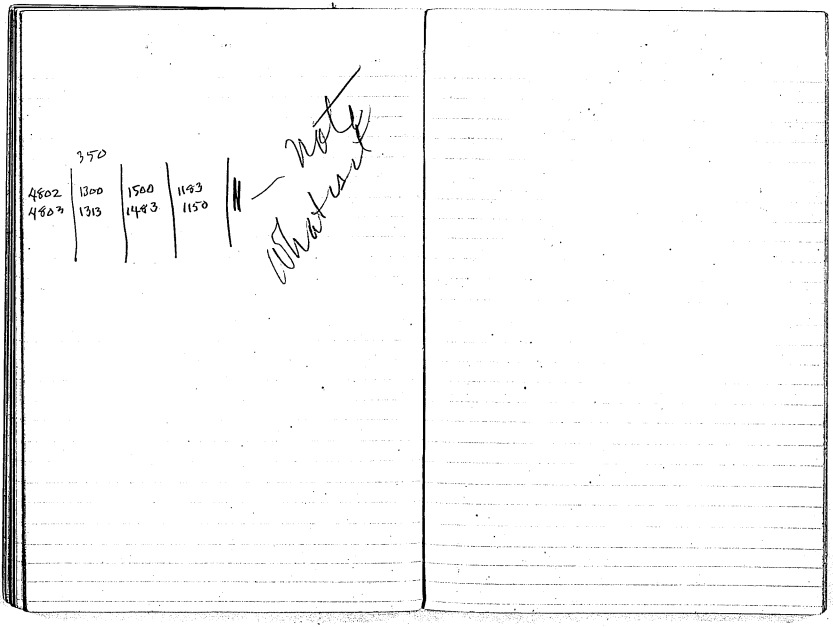

Ra 1320 (11645x)
244N
7659
7647
4780 923
4781 927
1083 1090 323
1083 1093 320
Ra 1323 (11645x)
263
7634
7608
4782 927
4783 940
1120 1133 273
1107 1140 273
Ra 1324 (11645x)
246
7634
7148
4784 1013
4785 1007
1163 1170 363 1200
1163 1173 390 1227
Ra 1326 (11645x)
7260
7313
4786 983
4787 983
1180 1190 313 1227
1183 1193 313 1230
Ra 1325
237
6758
6776
4788 1000
4789 1023
1110 1117 397
1167 1173 393
Drop of 4333 – Ra 1293 – 7687 7674
41 f 4.3 242
Run + long Cans, sup trowels 4 res clgs
dirty clgs type 2700
4790 1180
4791 1207
1227 1233 353
1263 1270 367
1083 on 50th Run
Drop 4790 Except under fire
before being worked
4792 1150
4793 1168
1233 1240 380
1240 1250 370
Little long Cans
def flakes
Drop 4333 (Ra 1293) Except under
36 flake
Long Cans
2720
7558
7558
4794 1187
4795 1200
1260 1263 423
1237 1247 467
Drop 4333 (Ra 1293) Except under
33 flake
Long Cans
269
7581
7537
4796 1227
4797 1210
1260 1267 467
1243 1257 477


NOTE
Note big Diff for Bi
Dup 4333 (Rx 1293) Except
1123f 266 N
Long Camp
7524
7574
4798 1220
4799 1190
1227 1237 430
1197 1210 430
Dup 4335 Ra 1294 41f
Long Camp 244N
7758
7798
4800 1120
4801 1097
1190 1197 357
1193 1200 367
Note that 1293 Ra
is worse with
41 flakes
+ 1123f
Dup 3882 - Golden 483
41f 27- 21K 3 Li
Long Camp 257 N
7740
7810
4802 1393
4803 1410
1627 1780 1093
1650 1720 1043
1547 1593 1120
1543 1623 1097
Lube burnt
in places
Dup 4802 - Except
21K 4 Li 252
7670
7700
4804 1421
4805 1433
1650 1687 1140
1633 1667 1150
1467 1567 1023
1467 1557 1107
1256 Ni - 4f
21K 10% Kelloride Emulsoid
heating 65°
4806 587
4807 630
OR 3mm
1/4 inch cubes
19% Ba2 Stick R = 1 Ra 1256 - 7.2
+ 21K 10% Kelloid
4808 297
4809 300
Bad Cent.
3 Runs
1 burnt free
Lot 48 flake
237 4.6
1256 Nickel
7593
7557
4810 1170
4811 1193
1240 1250 490
1293 1300 490
Golden 585
Nitrocery + 33% NaOH sol
1.99 N
6052
6063
4812 833
4813 833
1053 1060 277
1050 1057 277
Golden 590
7% Ba2 Soy 27% Nitrocery sol 33% NaOH
202
6279
6259
4814 933
4815 940
1060 1167 317
1123 1133 317

	150	½	H	200	½	H	
4802	1520	1620	1017	1433	1507	1300	
4803	1693	1750	1193	1437	1530	1270	

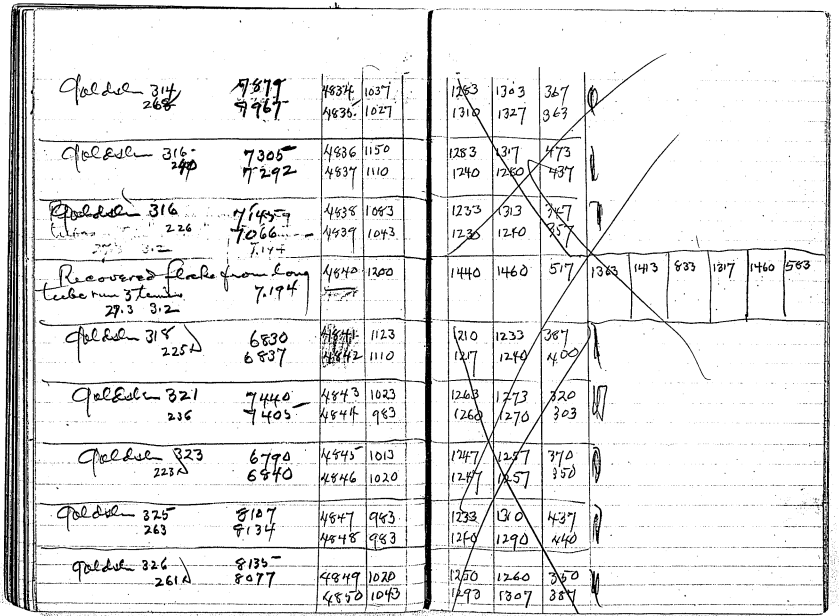
NOTE
What is this

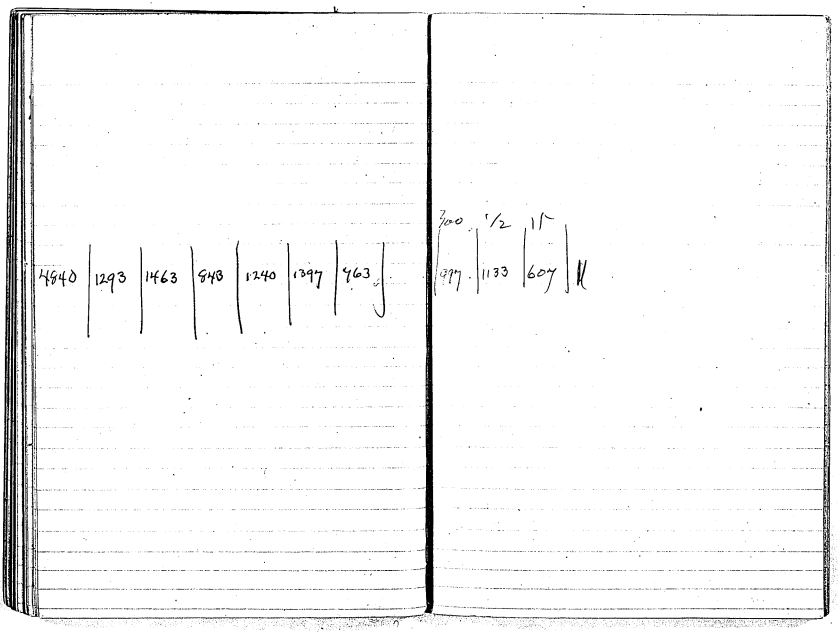
250	½	H	300	½	H
1533	1617	1043	1260	1387	1027
1520	1617	1067	1343	1453	1107

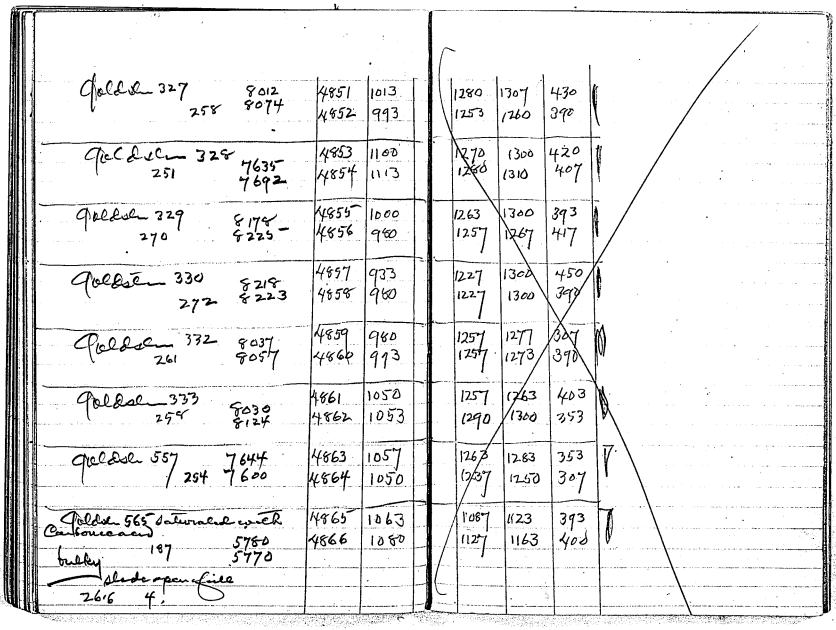

350
4802 1300 1500 1193
4803 1313 1483 1150
Not
What

M. Oil recovered from 3 zones below 12664+12680 leakage by magnet. after redrilling perf's to M. Oil. 6944 6925		4816	1013	1227	1250	573	1233	1267	793	
		4817	980	1167	1260	563	1260	1220	693	
Goldsby 558. 268	7981 7996	4818	1050	1313	1323	413				
		4819	1027	1297	1317	410				
Goldsby 559 260	8091 8049	4820	1030	1333	1353	457				
		4821	1030	1327	1343	477				
Goldsby 560 240	7524 7663	4822	1030	1293	1317	427	1280	1317	663	
		4823	1057	1313	1327	377	1303	1330	667	
Dup 4812 except pressure M. Oil in bottom. 225	6821 6801	4824	710	1097	1110	300				
		4825	713	1103	1123	940				
Dup 4814 except pressure M. Oil. with bottom 225	6821 6801	4826	890	1180	1190	343				
		4827	890	1150	1180	340				
Goldsby 306 256	8037 8006	4828	1037	1290	1310	383				
		4829	1063	1303	1310	443				
Goldsby 310 270	8167 8011	4830	983	1237	1297	437				
		4831	1013	1300	1366	523				
Goldsby 311 253	7625 7606	4832	1027	1297	1310	320				
		4833	1017	1280	1307	357				

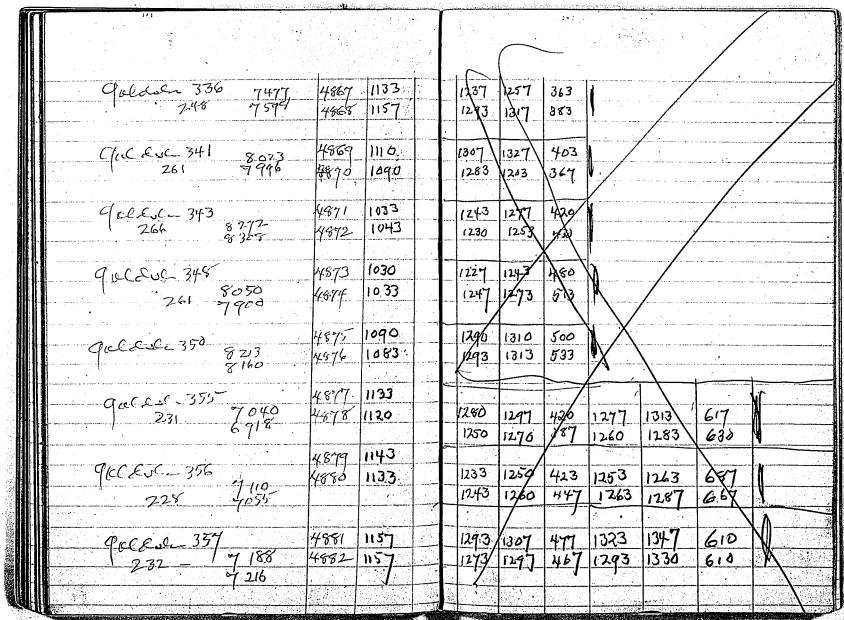
	150	1/2	H
4816	1317	1362	630
4817	1237	1273	543

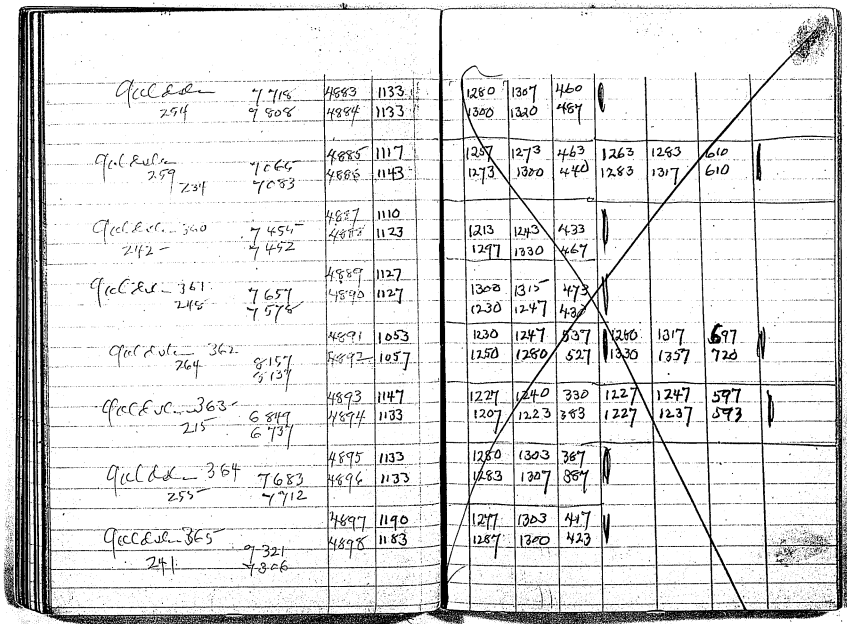

Qal/Esh 314 268
7879 7967
4834 4836 1037 1027
1283 1303 367
1310 1327 363
Qal/Esh 316 240
7305 7292
4836 4837 1150 1110
1283 1317 473
1240 1260 437
Qal/Esh 316
7145 7066 7.174
4838 4839 1083 1043
1233 1313 347
1235 1240 357
Recovered flake from bag tube run 3 tools 27.3 3.2
7.194
4840 1200
1440 1460 517
1383 1413 833 1217 1460 583
Qal/Esh 315 225A
6830 6837
4841 4842 1123 1110
1210 1233 387
1217 1240 400
Qal/Esh 321 236
7440 7405
4843 4844 1023 983
1263 1273 320
1260 1270 303
Qal/Esh 323 223A
6790 6840
4845 4846 1013 1020
1247 1257 370
1247 1257 350
Qal/Esh 325 263
8107 8134
4847 4848 983 983
1233 1310 437
1260 1290 440
Qal/Esh 326 261A
8135 8077
4849 4850 1020 1043
1250 1260 360
1293 1307 387

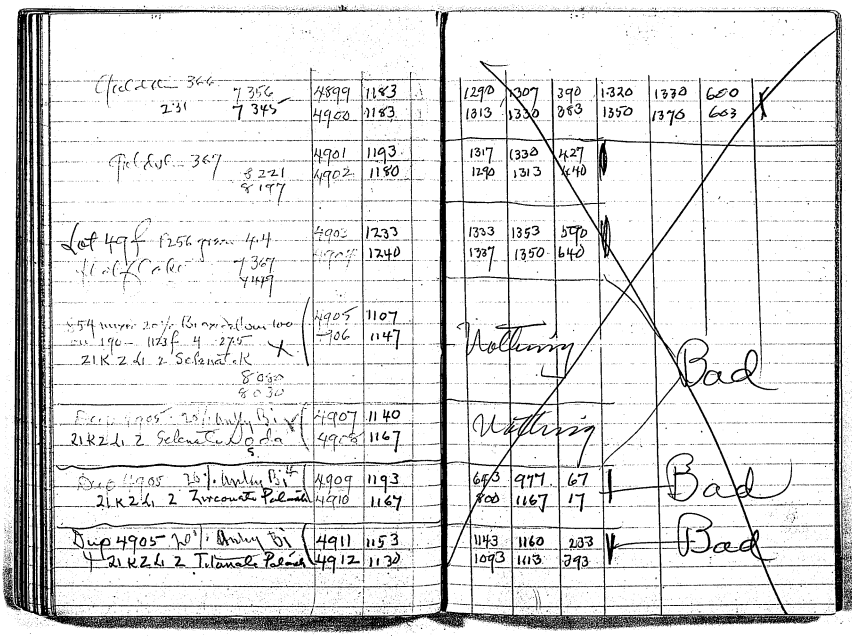

4840
1293
1463
948
1240
1397
963
700
1/2
15
397
1133
607

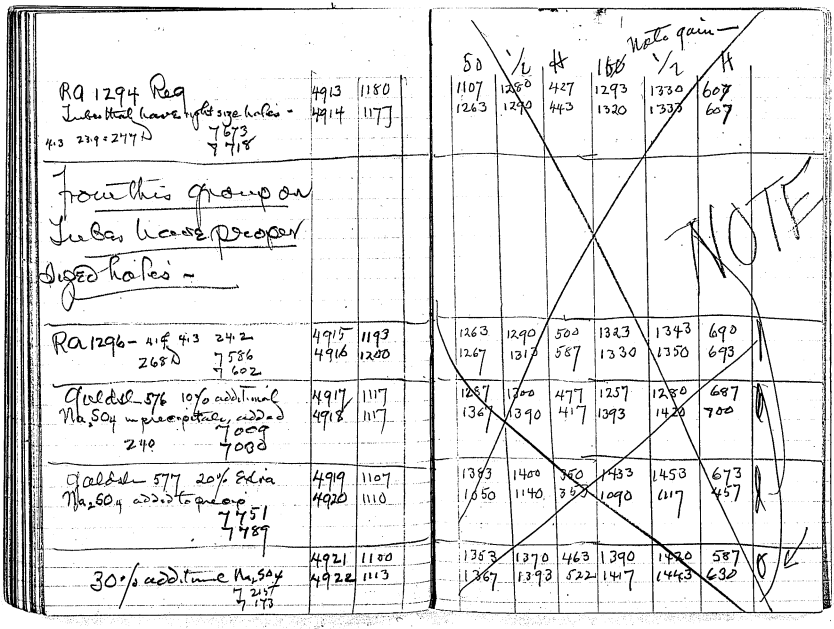


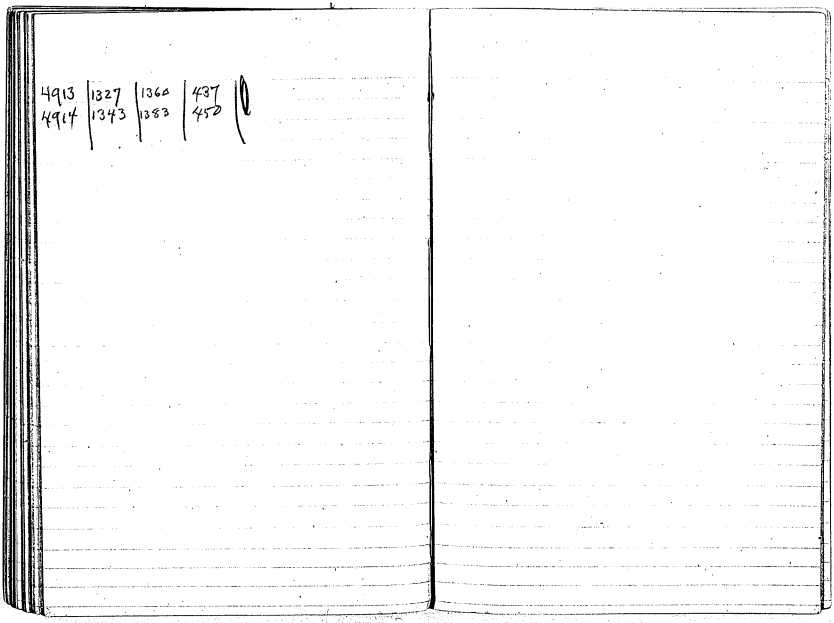
Goldsh 327	8012	4851	1013	1280	1307	430		
258	8074	4852	993	1253	1260	398		
Goldsh 328	7635	4853	1100	1270	1300	420		
251	7692	4854	1113	1260	1310	407		
Goldsh 329	8178	4855	1000	1263	1300	393		
270	8225	4856	980	1257	1267	417		
Goldsh 330	8218	4857	933	1227	1300	450		
272	8223	4858	980	1227	1300	393		
Goldsh 332	8037	4859	980	1257	1277	387		
261	8057	4860	993	1257	1273	390		
Goldsh 333	8030	4861	1050	1257	1263	403		
259	8124	4862	1053	1290	1300	353		
Goldsh 557	7644	4863	1057	1263	1283	353		
254	7600	4864	1050	1257	1250	307		
Goldsh 565 Interlaced with Carbonia area		4865	1063	1087	1123	393		
197	5760	4866	1080	1127	1163	406		
bubbly	5770							
Shale open file								
2615 4.								

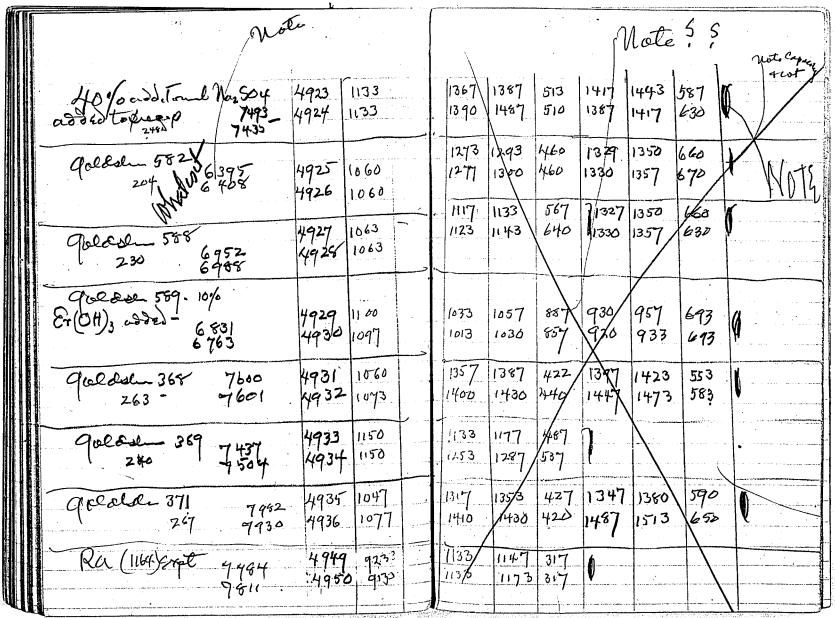

Qelduen 336
7477
7548
7579
4867
4868
1133
1157
1287
1257
363
1293
1317
883
Qeldeun 341
261
8023
7996
4869
4870
1110
1090
1307
1283
1327
1203
403
367
Qeldeun 343
266
8272
8365
4871
4872
1033
1043
1243
1230
1277
1253
420
430
Qeldeun 345
261
8050
7900
4873
4874
1030
1033
1227
1247
1243
1273
460
513
Qeldeun 350
8213
8160
4875
4876
1090
1083
1290
1293
1310
1313
500
533
Qeldeun 355
231
7040
6718
4877
4878
1133
1120
1280
1250
1297
1276
426
487
1277
1260
1313
1283
617
630
Qeldeun 356
225
7110
4055
4879
4880
1143
1133
1233
1243
1259
1260
423
447
1253
1263
1243
1287
687
667
Qeldeun 357
232
7188
7216
4881
4882
1157
1157
1293
1273
1307
1297
477
467
1323
1293
1347
1330
610
610




Bad
Bad
Bad


RQ 1294 Rep
Inbetween have right size holes -
4913 1180
4914 1177
4.3 239+247
7673
7718
From this group on
Tubes have proper
sized holes -
RQ 1296 - 4.3 of 4.3 242
268
7586
7602
4915 1193
4916 1200
Gelatin 5% 10% additional
Na2SO4 in pipette, added
240
7059
7098
4917 1117
4918 1117
Gelatin 5% 20% Extra
Na2SO4 added to pipette
7751
7789
4919 1107
4920 1110
30% additional Na2SO4
7215
7173
4921 1100
4922 1113
Note gain
1107 1260 427 1293 1330 607
1263 1290 443 1320 1330 607
1263 1290 502 1323 1343 690
1267 1313 587 1330 1350 693
1287 1200 477 1257 1280 687
1367 1390 417 1393 1420 700
1393 1400 360 1433 1453 673
1550 1140 353 1090 1117 457
1353 1370 463 1390 1420 587
1367 1393 522 1417 1443 630
NOTE


4913 1327 1360 437
4914 1343 1383 450

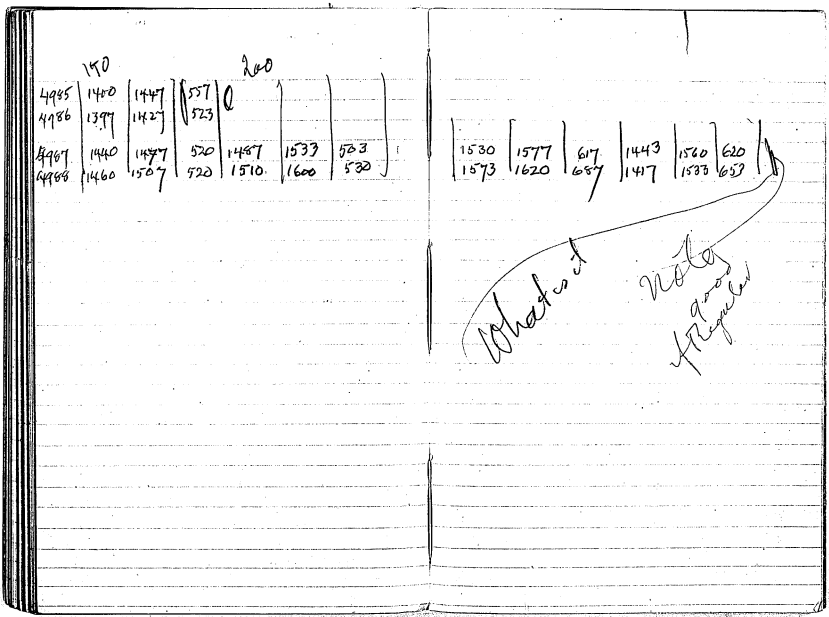


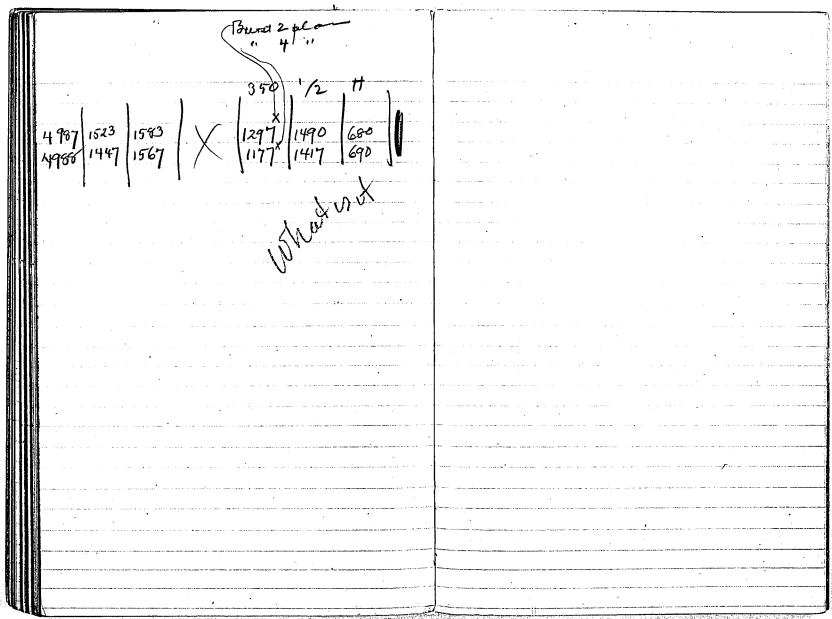
Ra (11648 expt)	7312	4951	967	1183	1200	323						
	7403	4952	970	1226	1250	343						
Ra (11648 Expt)	7996	4953	867	133	1167	263						
	7952	4954	887	800	830	133						
Spot 51 Peaks.	7439	4955	1150	1133	1181	457	1147	1180	673	Ra (11648 expt)		
4.2 23.7 275	7445	4956	1133	1300	1327	430	1327	1350	677			
Gal Ldh 372	6582	4957	1090	1094	1133	433	1123	1147	610			
	6526	4958	1110	1213	1256	427	1157	1227	647			
Gal Ldh 373	7404	4959	1093	1297	1353	453	1307	1327	690			
245	7482	4960	1077	1380	1400	357	1407	1433	703			
Gal Ldh 374	7550	4961	1160	1117	1167	430						
258	7500	4962	1183	1347	1367	427						
Gal Ldh 375	7257	4963	1040	1390	1477	427	1427	1447	740			
236	7315	4964	1033	1390	1477	420	1433	1433	727			
Gal Ldh 376	8964	4965	1027	1327	1350	417	1367	1397	580			
228	7090	4966	1033	1347	1350	420	1347	1370	557			

Golden 377	6763	4967	1173	1377	1290	287	1293	1313	453		
219	6884	4968	1183	1327	1337	327	1373	1397	573		
Golden 378	7481	4969	1207	1377	1390	347	1420	1443	500		
253	7507	4970	1193	1346	1360	383	1387	1420	510		
Golden 379	7240	4971	1150	1353	1347	447	1410	1430	520	What is it	
second div 234	7266	4972	1193	1370	1396	410	1423	1443	353		
Golden 380	7450	4973	1183	1370	1390	423	1410	1437	560		
242	7494	4974	1200	1370	1390	387	1397	1423	497		
Golden 381	7324	4975	1183	1373	1390	417	1410	1440	537	What is it	
second div 243	7360	4976	1177	1387	1397	373	1430	1453	597		
Golden 384	7900	4977	1223	1387	1410	397	1440	1490	587		
262	7900	4978	1203	1370	1397	427	1427	1453	623		
Golden 386	6875	4979	1193	1370	1360	453	1377	1400	653		
220	6890	4980	1200	1350	1367	437	1367	1387	637		
Golden 387	7466	4981	1177	1367	1387	433	1383	1410	570		
246	7520	4982	1177	1413	1430	493	1457	1480	600		
Golden 388	7505	4983	1210	1353	1353	520	1400	1440	640		
256	7547	4984	1200	1367	1387	500	1397	1423	620		

150	½	H	200	½	H	~250	½	H	300	½	H
4971 1400	1433	530	1423	1483	410	1510	1553	770	1377	1493	627
4972 1427	1467	560	1357	1473	457	1573	1640	880	1430	1547	737
4975 1400	1437	527	1423	1473	430	1487	1527	703	1333	1463	660
4976 1427	1467	527	1467	1533	490	1492	1553	689	1387	1513	657
4979 1360	1400	560									
4980 1393	1427	523									

						50		180			
Goldrich 389	6954	4985	1157		1353	1370	1480	1400	1430	650	
229	7039	4986	1177		1327	1343	450	1350	1373	590	
Goldrich 390	7486	4987	1183		1367	1387	487	1440	1473	613	
252	7527	4988	1193		1417	1437	453	1480	1510	613	
Low in Top Heather Low Temp Long Time -											
Goldrich 391	7273	4989	1183		1380	1393	350	1410	1440	583	
240	7338	4990	1183		1367	1383	350	1393	1427	630	
Goldrich 392.	7480	4991	1197		1377	1397	517	1427	1457	633	
235	7458	4992	1197		1377	1393	530	1410	1440	637	
Goldrich 393	7443	4993	1197		1350	1370	487	1393	1427	710	
239	7503	4994	1187		1350	1370	480	1380	1410	677	
Goldrich 394.	7565	4995	1180		1363	1383	433	1413	1450	653	
258	7657	4996	1170		1377	1403	460	1433	1463	647	
Goldrich 571	7826	4997	1203		1383	1400	563	1433	1463	703	
262	7908	4998	1230		1357	1383	617	1413	1450	687	
Goldrich 571	7708	4999	1223		1330	1343	517	1380	1417	687	
262	7728	5000	1233		1383	1407	557	1437	1467	737	
Goldrich 572 Dried on Covered					1293	1310	440	1333	1363	630	
dishes. 242	7438	5001	1223		1310	1327	530	1347	1373	707	
	7400	5002	1200								


150
200
4985 1480 1447 557
4986 1397 1427 523
4987 1440 1457 520 1487 1533 583
4988 1460 1507 520 1510 1600 530
1530 1577 617 1443 1560 620
1573 1620 687 1447 1588 659
What is it
Note 9 and 4 figures


Poured 2 pl
" 4 "
350
1/2
"
4987 1523 1583
4988 1447 1567
X
1297 1490 680
1177 1417 690
Whatnot

Notebook, N-12-03-15.2

Goldstein 573
Dried in Covered desiccator
½" hole 237 27.2 7317
Dried 147 days in vacuum 7360

	5003	1227
	5004	1217

Goldstein 574
Dried in Covered desiccator 7858
Dup of 5003 253 27.4 7890

	5005	1197
	5006	1217

Goldstein 583 6236
193 6232
broke

	5007	1110
	5008	1113

Goldstein 586 7323
1% Cobalt 240 26.7 7353

	5009	1200
	5010	1280

Goldstein 587 1% Cobalt
238 7591
7625

	5011	1200
	5012	1193

854 mixed with Cenky Diamalt OX
flour 100 on 190
21K 2 Li 2 Zirconate Soda 7932
264 7911

	5013	1107
	5014	1113

Dup 5013
Except 21K 2 Li 2 Titanate Soda
265

	5015	827
	5016	1150

Goldstein 591 4% $Bi_2(CH_3)_3$
4 272 6598
212 6708

	5017	1260
	5018	1287

Goldstein 600 MoO_3 from
$MoCl_2$ 414 - 4-27 6627
214 6604

	5019	1000
	5020	1000

50	½	H	100	½	H
1377	1393	583	1433	1457	770
1363	1383	573	1423	1453	780
1327	1343	527	1387	1433	747
1383	1400	527	1500	1533	800
1187	1193	470	1273	1297	750
1250	1280	513	1300	1330	690
1400	1420	523	1460	1483	593
1393	1410	503	1443	1430	557
1400	1420	567	1453	1487	650
1397	1410	533	1487	1517	760
1333	1490	957			
1243	1493	930			
633	1517	930			
783	1483	897			
1483	1490	983	1547	1573	970
1490	1500	1027	1560	1597	633
813	830	403			
1000	1020	460			

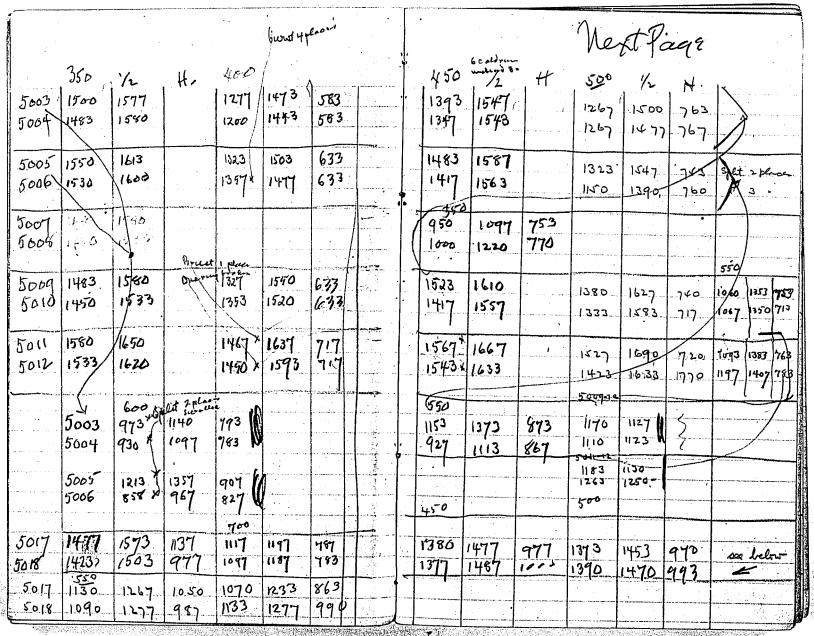
	150			200	½	H
5003	1437	1477	573	1493	1567	610
5004	1430	1467	590	1477	1567	687
5005	1397	1447	550	1487	1540	657
5006	1490	1553	627	1600	1667	757
5007	1257	1317	627			
5008	1250	1317	643			
5009	1433	1483	623	1513	1577	677
5010	1423	1467	550	1510	1567	677
5011	1447	1497	573	1573	1633	707
5012	1500	1537	597	1577	1617	650
5017	1550	1600	1083	1467	1567	1010
5018	1570	1617	1190	1467	1570	1020
5013	1177	1290	963			
5014	1130	1253	897			

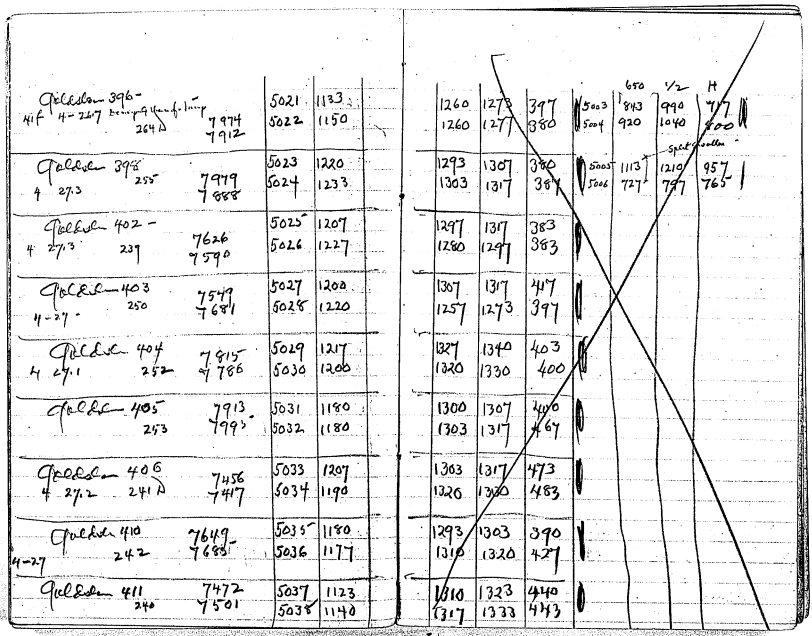
Water low Loading slot

Cant see

	250	½	H	300	½	H
	1583	1547	820	1547	1603	610
	1507	1550	850	1527	1590	617
	1523	1587	860	1580	1637	616
	1610	1667	877	1620	1657	847
	1610	1667	900	1527	1600	723
	1577	1633	813	1617	1580	750
				1613	1680	807
				1590	1647	717
	1533	1580	1037	1457	1510	973
	1520	1573	987	1453	1503	927

Cold room

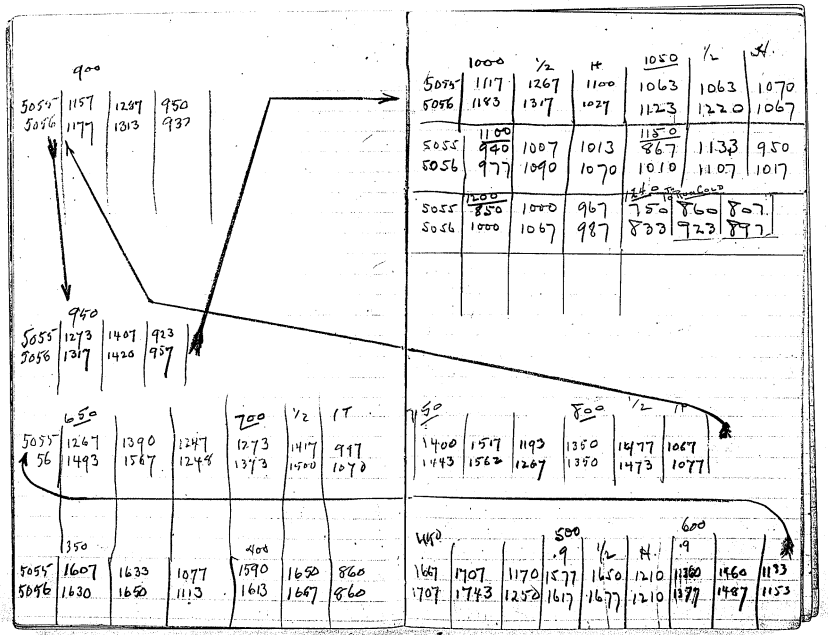

Next Page
350
½
H.
400
Board Up Hours
5003 1500 1577 1277 1473 583
5004 1483 1540 1200 1483 583
5005 1550 1613 1323 1503 633
5006 1530 1600 1357 1477 633
5007
5008
5009 1483 1580 1327 1580 633
5010 1450 1533 1353 1520 633
5011 1580 1650 1467 1637 717
5012 1533 1620 1450 1573 717
600
5003 973
5004 930
1140 793
1097 783
5005 1213
5006 858
1357 907
967 827
700
5017 1477 1573 1137 1117 1197 787
5018 1423 1503 977 1097 1187 783
550
5017 1130 1267 1050 1070 1233 863
5018 1090 1227 987 1133 1277 990
450
½
H
500
½
H
1393 1547 1267 1500 763
1347 1548 1267 1477 767
1483 1587 1323 1547 763
1417 1563 1150 1390 760
450
950 1097 753
1000 1220 770
1523 1610 1380 1627 760
1417 1557 1333 1583 717
1567 1667 1527 1690 720
1543 1633 1423 1633 770
550
1153 1373 873 1170 1127
927 1113 867 1110 1123
1183 1130
1263 1250
500
450
1380 1477 977 1373 1453 970
1377 1487 1390 1470 993
see below
Next Page
1040 1382 763
1067 1350 717
1093 1383 763
1197 1407 783

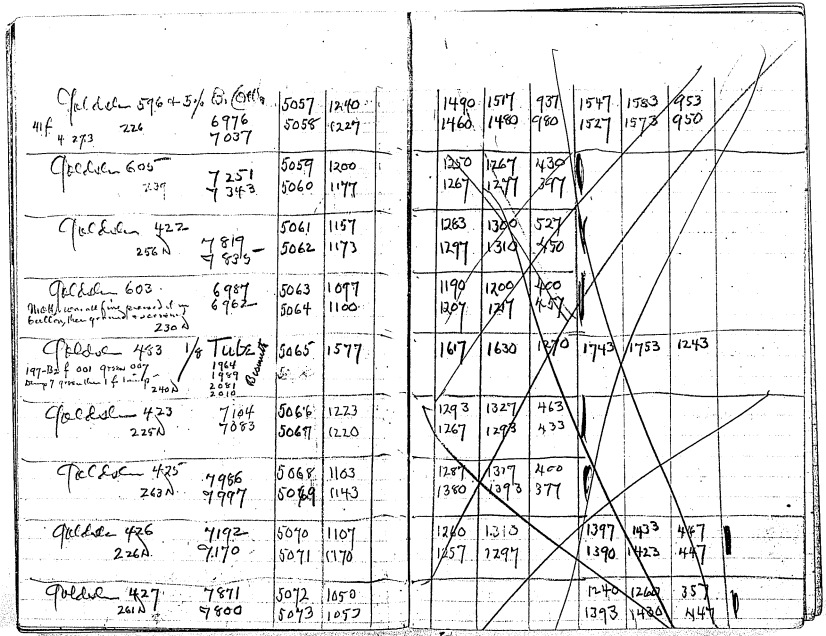


Phenomenal Recon
170" Mah after 450 Run
Low Load Set

Golden 412		7143	5039	1127		1287	1297	423			
4 27	230 D	7210	5040	1133		1293	1300	390			
Golden 413		7386	5041	1177		1300	1310	403			
	239 D	7361	5042	1183		1317	1320	393			
4 27											
Golden 416		7850	5043	1180		1313	1320	420			
4 26.6	257	7994	5044	1177		1360	1310	447			
Golden 418		7572	5045	1127		1333	1350	407			
	244	7487	5046	1180		1320	1330	387			
Golden 420		7865	5047	1133		1320	1330	387			
	255 D	7886	5048	1140		1330	1333	360			
Golden 421		7707	5049	1130		1287	1297	337			
	240	7706	5050	1139		1280	1287	340			
Golden 568		7795	5051	1243		1307	1323	433			
4/27	254 D	7846	5052	1237		1313	1330	463			
Golden		6105	5053	1067		120	1133	537			
4 27	198 D	6137	5054	1090		1177	1187	560			
Golden 595		7329	5055	1250		1547	1557	1047	1683	1723	1007
4 27.1	238 D	7405	5056	1253		1567	1577	1053	1680	1700	937

5054	1703	1720	1200	1640	1710	1023	1613	1630	880	1660	1683	1157	
5056	1690	1707	1223	1683	1733	1020	1580	1593	917	1637	1660	967	

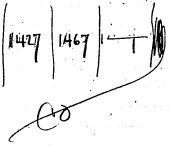

900
5055 1157 1287 950
5056 1177 1313 937
950
5055 1273 1407 923
5056 1317 1420 957
650
5055 1247 1390 1247
56 1493 1567 1248
350
5055 1607 1633 1077
5056 1630 1650 1113
700
1273 1417 997
1373 1500 1070
400
1590 1650 860
1613 1667 860
1000 1/2 H 1050 1/2 H
5055 1117 1267 1100 1063 1063 1070
5056 1183 1317 1027 1123 1220 1067
1100 1150
5055 940 1007 1013 867 1133 950
5056 977 1090 1070 1010 1107 1017
1200 1250 1300 1350
5055 850 1000 967 750 860 807
5056 1000 1067 987 833 923 897
950 800 1/2 H
1400 1517 1193 1350 1477 1067
1443 1562 1267 1350 1473 1077
WK9 500 .9 1/2 H .9 600
1667 1707 1170 1577 1650 1210 1560 1133
1707 1743 1252 1617 1677 1210 1587 1153

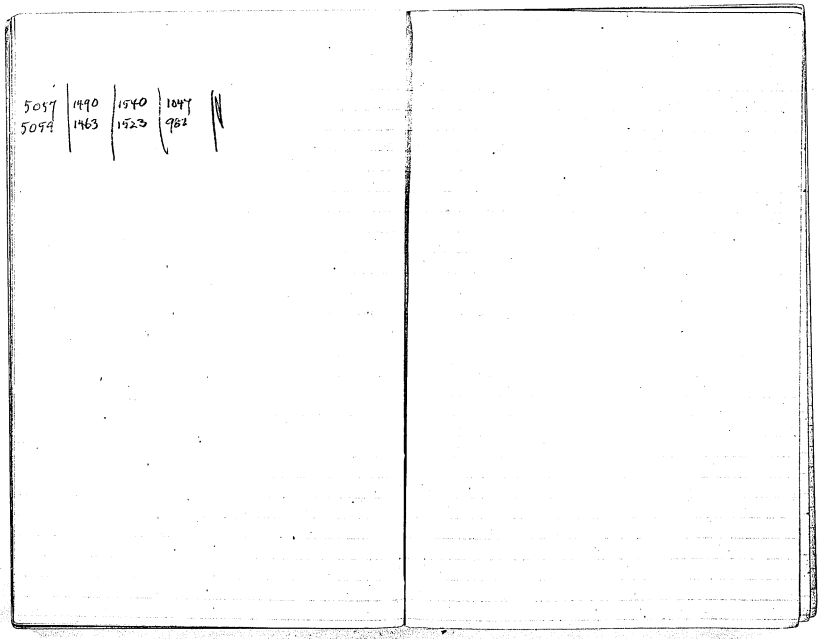


5057	1547	1610	1010	1487	1573	1047
5059	1527	1593	977	1483	1567	957

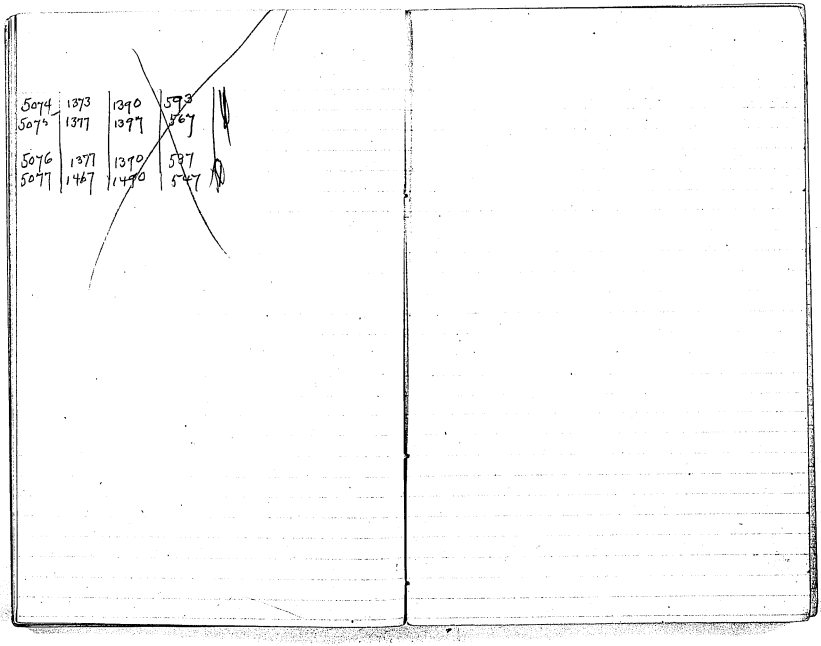
1487	1523	1040	1490	1557	1020	
1480	1530	967	1509	1560	1023	

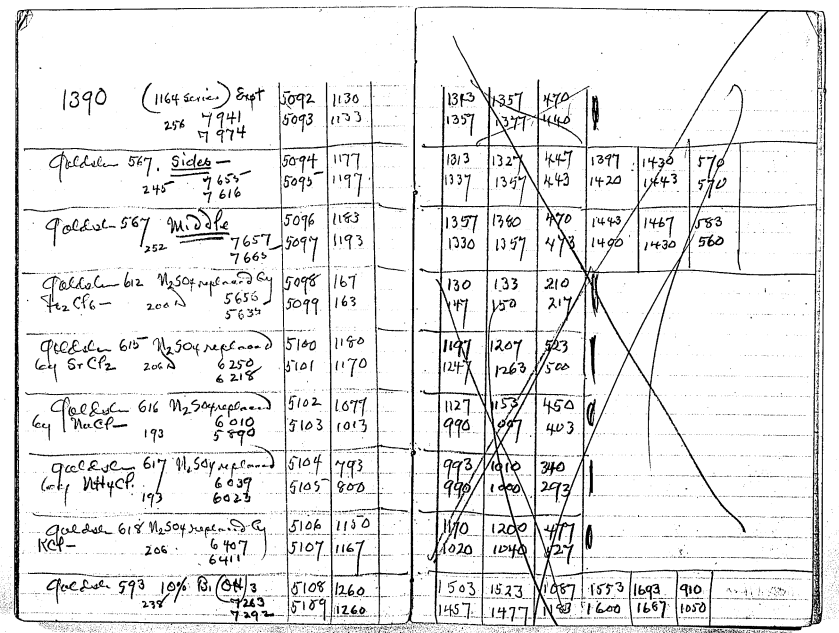
5065	1860	1877	1280	1427	1467	




5057 1490 1540 1047
5054 1463 1523 982

								100	1/2	14	
Gridder 428	7413	5074	1210	1313	1333	493	1393	1420	590		
240	7383	5075	1213	1327	1353	497	1420	1447	587		
Gridder 429	7545	5076	1187	1329	1390	460	1357	1387	513		
242	7898	5077	1190	1420	1437	407	1467	1493	573		
Ra 1341 Reg	7580	5078	1180	1270	1283	423					
264	7581	5079	1177	1260	1273	410					
Ra 1342 Reg		5080	1160	1250	1293	417					
	7726	5081	967	1243	1260	337					
1343	7578	5082	1113	1200	1220	457					
271	7595	5083	1150	1243	1260	453					
1344	7530	5084	1120	1250	1263	460					
269	7615	5085	1117	1267	1297	430					
1345	7629	5086	1127	1250	1263	400					
265	7549	5087	1100	1193	1200	357					
1346	7485	5088	1113	1197	1203	467					
269	7500	5089	1100	1200	1220	504					
Lot 50 Nuflake 1252 W.	239 743 7493 7360	5090	1243	1347	1360	563					
		5091	1220	1257	1303	593					

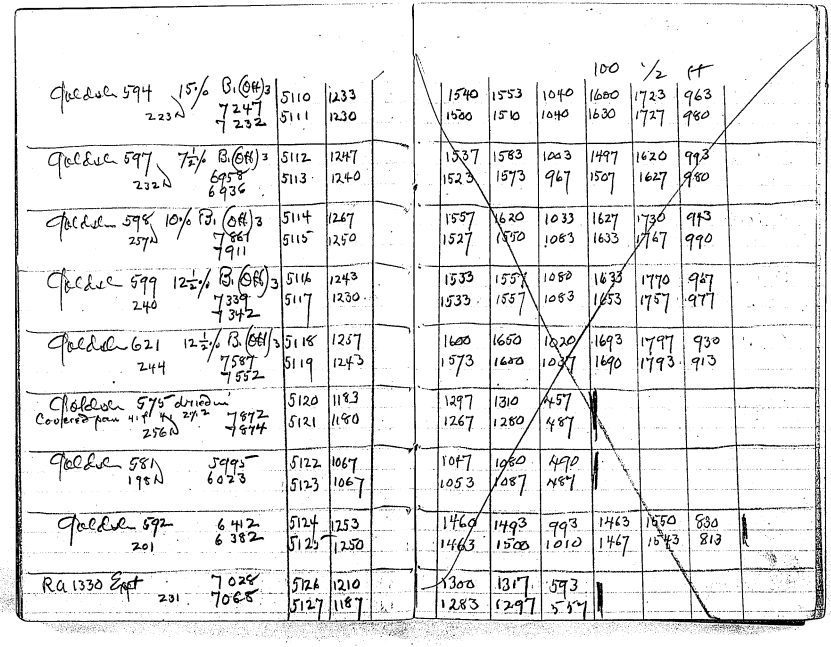

5074 1373 1390 593
5075 1377 1397 567
5076 1377 1370 597
5077 1467 1490 547


1390 (1164 series) Expt
258 7741 7974
5092 1130
5093 1133
1383 1357 470
1357 1377 1460
Galdolin 567. Sides —
245 7655 7616
5094 1177
5095 1197
1313 1327 447 1397 1430 570
1337 1354 443 1420 1443 570
Galdolin 567 Middle
252 7657 7665
5096 1183
5097 1193
1357 1380 470 1443 1467 583
1330 1357 478 1400 1430 560
Galdolin 612 N2SO4 repeated by H2Cl6 — 200 ul 5655 5634
5098 167
5099 163
130 133 210
147 150 217
Galdolin 615 N2SO4 repeated by SrCl2 200 ul 6250 6218
5100 1180
5101 1170
1147 1207 523
1247 1263 500
Galdolin 616 N2SO4 repeated by NaCl 193 6010 5890
5102 1077
5103 1013
1127 1153 450
990 997 403
Galdolin 617 N2SO4 repeated by NH4Cl 193 6039 6023
5104 793
5105 800
993 1010 340
990 1000 293
Galdolin 618 N2SO4 repeated by KCl 206 6407 6411
5106 1150
5107 1167
1170 1200 477
1020 1040 427
Galdolin 593 10% Bi(OH)3 238 7283 7292
5108 1260
5109 1260
1503 1523 1087 1553 1693 910
1457 1477 1483 1600 1687 1050

5094	1387	1413	610	
5095	1393	1433	597	
5096	1440	1463	660	
5097	1377	1390	563	

5108	1620	1750	1110	1490	1713	1083
5109	1597	1677	1260	1493	1687	1087

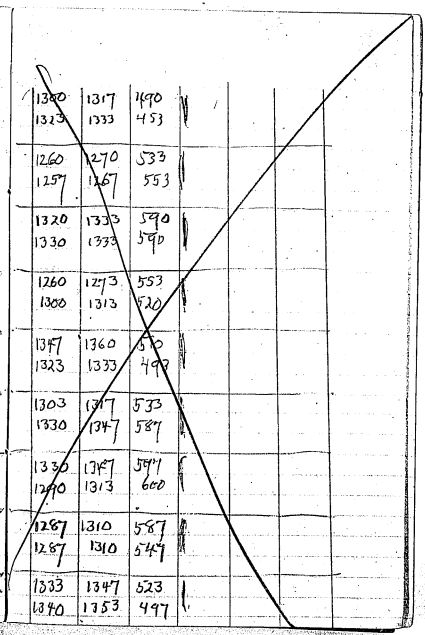
1423	1580	1147
1490	1577	1147



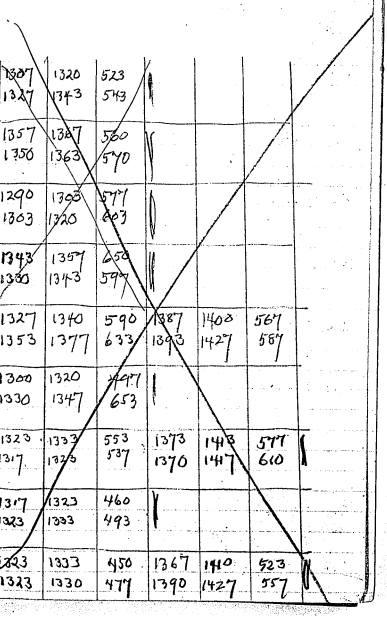
	150	½	H						
5110	1657	1697	1110	1593	1710	1110	1490	1570	1137
5111	1666	1687	1073	1593	1730	1067	1487	1573	1150
5112	1533	1643	1030	1480	1593	940	1483	557	1050
5113	1483	1660	1030	1440	1593	983	1477	1537	1053
5114	1650	1730	1157	1577	1687	1113	1487	1543	1170
5115	1650	1753	1150	1577	1720	1063	1550	1630	1130
5116	1683	1797	1093	1577	1730	1033	1527	1597	1187
5117	1710	1730	1173	1490	1713	1117	1520	1610	1153
5118	1717	1743	1127	1600	1713	1163	1500	1567	1160
5119	1717	1770	1143	1606	1720	1150	1513	1590	1153

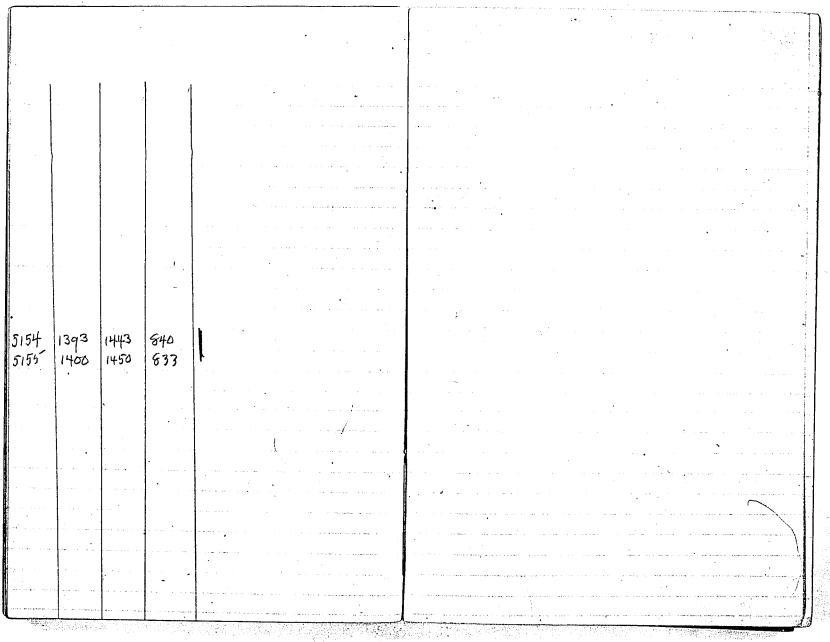
Hereafter acc Ra Req put up
4f 27. one Tramp — Ter. Exp. from Mount of Mountains

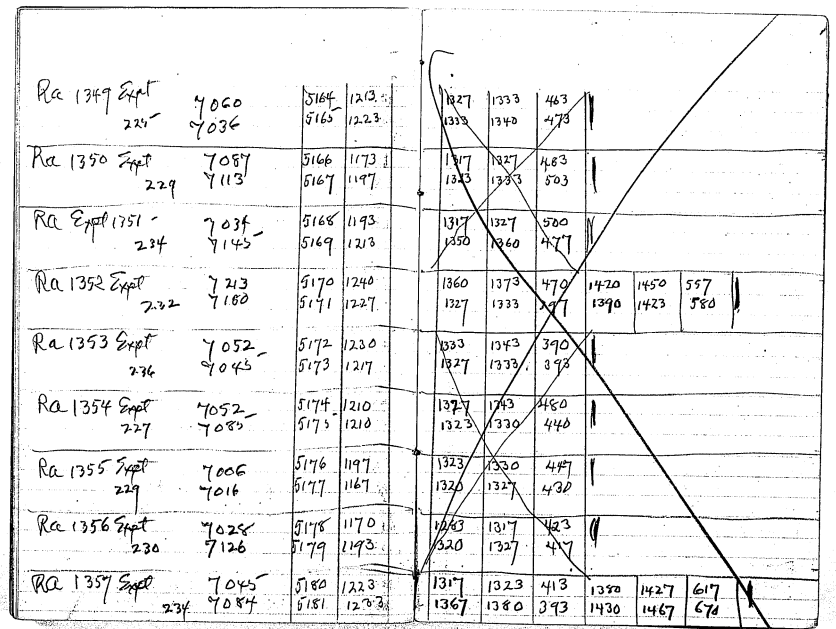
Ra 1331 Expt. 233	7200	5128	1180	1360	1317	1490		
	7240	5129	1193	1323	1333	453		
Ra 1332 Expt 232	7051	5130	1150	1260	1270	533		
	7078	5131	1153	1257	1267	553		
Ra 1333 229	7.155	5132	1197	1320	1333	590		
	7134	5133	1197	1330	1333	590		
1334 232	7124	5134	1183	1260	1273	553		
	7120	5135	1183	1300	1313	520		
1335 235A	7130	5136	1220	1347	1360	570		
	7144	5137	1207	1323	1333	497		
1336 237	7154	5138	1193	1303	1317	533		
	7182	5139	1223	1330	1347	587		
Ra 1337 Expt. 231	7054	5140	1223	1330	1347	597		
	7099	5141	1240	1290	1313	660		
Ra 1338 Expt. 228	7117	5142	1193	1287	1310	587		
	7193	5143	1217	1287	1310	547		
Ra 1339 Expt 240	7323	5144	1220	1333	1347	523		
	7397	5145	1243	1340	1353	497		

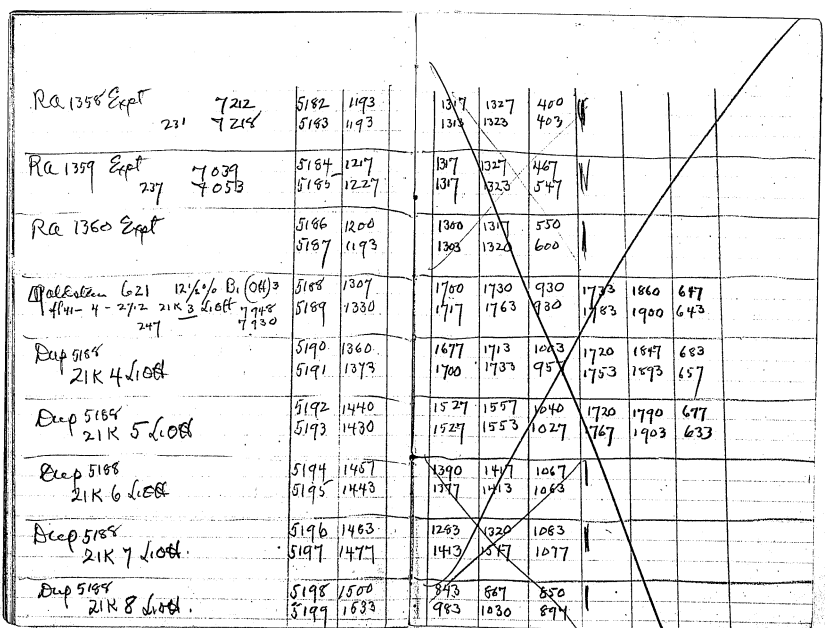


Ra 1340 Expt 238	7251	5146	1217	1307	1320	523					
	7228	5147	1233	1327	1343	543					
Ra 1341 Expt 231	7361	5148	1227	1357	1327	560					
	7353	5149	1247	1350	1363	570					
Ra 1342 Expt 233	7102	5150	1207	1290	1305	577					
	7168	5151	1200	1303	1320	603					
Ra 1343 Expt 238	7375	5152	1223	1343	1357	550					
	7383	5153	1223	1380	1343	597					
Ra 1344 Expt 231	7170	5154	1213	1327	1340	590	1387	1403	567		
	7154	5155	1213	1353	1377	633	1393	1427	587		
Ra 1345 Expt 235	7125	5156	1257	1300	1320	497					
	7110	5157	1240	1330	1347	653					
Ra 1346 Expt 227	7098	5158	1197	1323	1333	553	1373	1413	577		
	7060	5159	1197	1317	1323	537	1370	1417	610		
Ra 1347 Expt 230	7078	5160	1197	1317	1323	460					
	7074	5161	1197	1323	1333	493					
Ra 1348 Expt 236	7140	5162	1213	1323	1333	450	1367	1410	523		
	7111	5163	1227	1323	1330	477	1390	1427	557		




5154 1393 1443 840
5155 1400 1450 833


Ra 1349 Expt 225
7060 7036
5164 5165 1213 1223
1327 1333 463
1339 1340 478
Ra 1350 Expt 229
7087 7113
5166 5167 1173 1197
1317 1323 483
1335 1333 503
Ra Expt 1351 234
7034 7145
5168 5169 1193 1213
1317 1327 500
1350 1360 477
Ra 1352 Expt 232
7213 7180
5170 5171 1240 1227
1360 1373 470
1327 1333 477
1420 1450 557
1390 1423 580
Ra 1353 Expt 236
7052 7045
5172 5173 1230 1217
1333 1343 390
1327 1333 398
Ra 1354 Expt 227
7052 7085
5174 5175 1210 1210
1327 1343 480
1323 1330 446
Ra 1355 Expt 229
7006 7016
5176 5177 1197 1167
1323 1330 447
1320 1327 430
Ra 1356 Expt 230
7028 7126
5178 5179 1170 1193
1303 1317 423
1320 1327 417
Ra 1357 Expt 234
7045 7084
5180 5181 1223 1233
1317 1323 413
1367 1380 393
1380 1427 617
1430 1467 676


Ra 1358 Expt
7212
231 7214
5182 1193
5183 1193
1317 1327 400
1318 1323 403
Ra 1359 Expt
7039
237 7053
5184 1217
5185 1227
1317 1327 467
1317 1323 547
Ra 1360 Expt
5186 1200
5187 1193
1300 1317 550
1308 1320 600
Malakoken 621 12½% Bi(OH)3
4141-4-27.2 21K 3 Lioff 7748 7730
247
5188 1307
5189 1330
1700 1730 930 1733 1860 647
1717 1763 930 1783 1900 643
Dep 5188
21K 4 Lioff
5190 1360
5191 1373
1677 1713 1083 1720 1847 683
1700 1733 953 1753 1893 657
Dep 5188
21K 5 Lioff
5192 1440
5193 1430
1527 1557 1040 1720 1790 677
1527 1553 1027 1767 1903 633
Dep 5188
21K 6 Lioff
5194 1467
5195 1443
1390 1417 1067
1377 1413 1063
Dep 5188
21K 7 Lioff.
5196 1463
5197 1477
1263 1320 1083
1443 1557 1077
Dep 5188
21K 8 Lioff.
5198 1500
5199 1533
843 887 850
983 1030 894

200 1/2 π

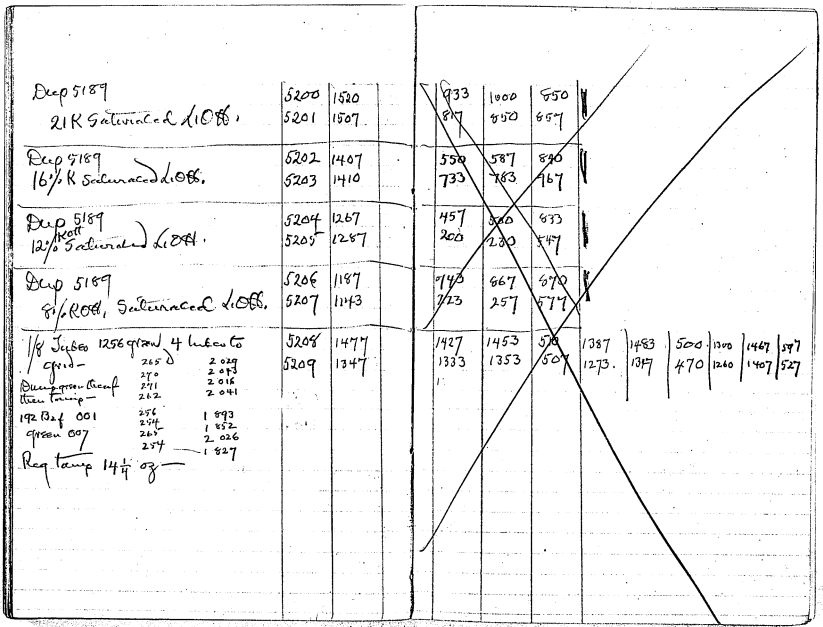
5188	1667	1833	1063	1753	1917	1023
5189	1643	1853	967	1657	1880	1013
5190	1633	1833	1030	1653	1867	1103
5191	1577	1717	1147	1603	1857	1073
5192	1573	1663	1023	1600	1780	1100
5193	1613	1710	1157	1597	1760	1067

1677	1743	997	1617	1720	1067
1623	1763	970	1593	1730	1023
1527	1713	960			
1457	1657	990			
1380	1553	993			
1380	1500	997			

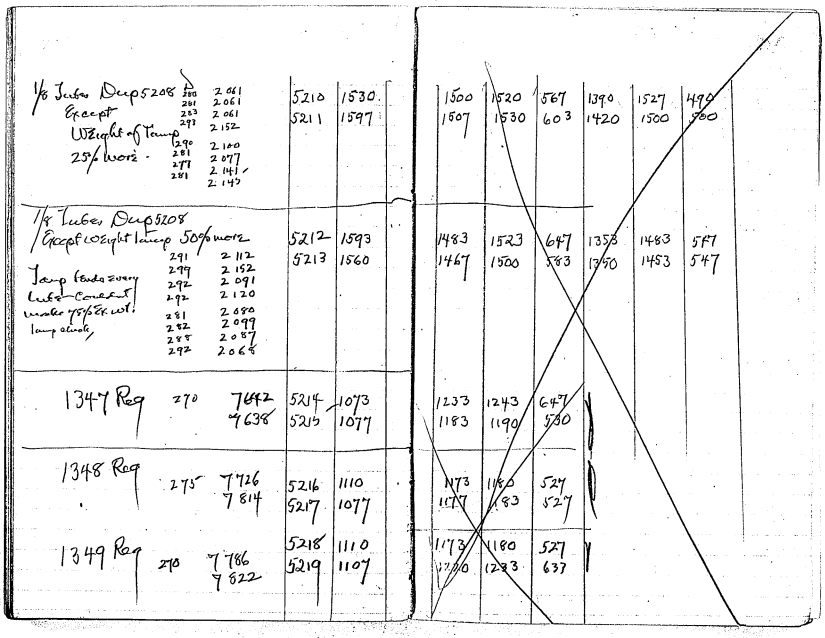
300 1/2 ∫ 60 dx · π

5198	1360	1580	1083	
5197	1317	1517	1173 x	

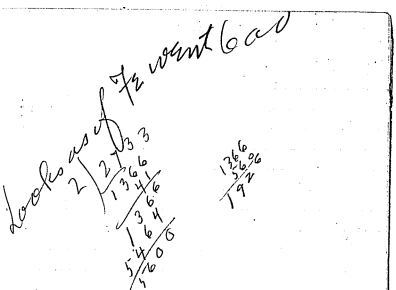
Beat by Ry


Dep 5189
21K Salivinaced Lloss.
5200 1520
5201 1507
933 1000 850
847 850 657
Dep 5189
16% K Salivinaced Lloss.
5202 1407
5203 1410
550 587 840
733 783 767
Dep 5189
12% Kcell Salivinaced Lloss.
5204 1267
5205 1267
457 500 633
200 230 547
Dep 5189
8% KOH, Salivinaced Lloss.
5206 1187
5207 1143
743 867 670
723 257 577
1/8 Jesse 1256 green 4 tubes to
1 each -
265 d 2 029
270 2 093
271 2 018
262 2 041
Dim green Cent
then temp -
192 Bef 001
256 1 893
254 1 852
269 2 026
274 1 827
green 007
Reg temp 14 1/4 oz -
5208 1477
5209 1347
1427 1453 570
1333 1353 507
1387 1483 500 1300 1467 587
1273 1317 470 1260 1407 527

5208	1303	1467	660	11
5209	1250	1400	657	


1/8 Tubes Dep 5208
Except
Weight of Lamp
25% more
290 2061
291 2061
293 2061
297 2152
290 2100
291 2077
297 2141
291 2147
5210 1530
5211 1597
1500 1520 567 1390 1527 490
1507 1530 603 1420 1500 580
1/4 Tubes Dep 5208
Except Weight Lamp 50% more
291 2112
299 2152
292 2091
292 2120
291 2080
292 2099
295 2087
292 2068
5212 1593
5213 1560
1483 1523 647 1358 1483 547
1467 1500 583 1340 1453 547
Lamp Voids every
Tube Except
make 95% Ex wt.
lamp check
1347 Req
270
7692
7638
5214 1073
5215 1077
1233 1243 647
1183 1190 580
1348 Req
275
7726
7814
5216 1110
5217 1077
1173 1180 527
1177 1183 527
1349 Req
270
7786
7822
5218 1110
5219 1107
1173 1180 527
1200 1233 637

5210	1433	1527	540	1333	1580	613	
5211	1443	1527	560	1400	1580	617	
5212	1317	1467	567	1267	1447	643	
5213	1317	1433	573	1267	1400	633	



Cat 52 flasks 24-404	1256 Nucl.	7516	5220	1190	1260	1277	679	1230	1280	623
		7530	5221	1217	1277	1297	650	1233	1307	644
Ra 1327 Expt	241	7447	5222	1183	1297	1317	480	1360	1383	543
		7470	5223	1180	1317	1327	500	1387	1400	570
Ra 1329 Expt	247	7706	5224	1206	1333	1350	433	1420	1430	543
		7734	5225	1207	1333	1353	477	1423	1440	570
Ra 1361 Expt	236	7270	5226	1200	1293	1313	633	1327	1363	623
		7299	5227	1238	1317	1330	607	1347	1387	610
Ra 1362 Expt	238 241	7374	5228	1230	1297	1317	567	1367	1400	583
		7427	5229	1217	1313	1330	470	1363	1400	500
Ra 1363 Expt	239	7300	5230	1227	1320	1330	470	1380	1400	497
		7344	5231	1233	1313	1327	450	1367	1400	540
Ra 1364 Expt	233	7265	5232	1214	1290	1310	500	1347	1380	517
		7296	5233	1227	1263	1283	517	1307	1340	540
Ra 1365 Expt		7187	5234	1227	1267	1287	573	1323	1357	540
		7208	5235	1227	1267	1290	683	1347	1400	513
Ra 1366 Expt.	238 240	7242	5236	1230	1257	1277	553			
		7234	5237	1200	1307	1327	477			

					50	½	H	100	½	1M	
Ra 1367 Expt. 236	7302	5238	1190		1307	1320	530				
	7221	5239	1187		1290	1307	607				
Ra 1368 Expt 232	7205	5240	1167		1260	1283	637				
	7230	5241	1206		1310	1327	623				
Ra 1369 Expt 240	7354	5242	1253		1360	1373	557	1367	1377	560	
	7382	5243	1250		1330	1347	557	1347	1373	560	
C&C&Cam 621 12½%		5244	1417		1750	1773	937	1777	1843	981	
$Bi_2(CO_3)_3$ 4hf 4.27.3	8040	5245	1433		1750	1770	937	1777	1850	947	
21K 7Li 3 coadd runs change to 21K2Li	8013										
Dep 5244	8000	5246	1456		1723	1733	930	1777	1820	920	
21K 4Li 6ht. after 3 Run coadd change to 21K2Li	7963	5247	1457		1760	1770	1003	1777	1937	1027	
Dep 5244 Cloff. after 21K 5Li 3 coadd change to 21K2Li	7972	5248	1447		1760	1783	933	1747	1843	947	
	7940	5249	1480		1767	1783	947	1777	1843	1017	
Dep 5244 21K 6Li after 3 coadd runs change to 21K2Li		5250	1513		1757	1773	1033	1755	1823	1080	
		5251	1493		1733	1763	1047	1733	1857	990	
Dep 5244 21K 7Li 6ht after 3 coadd runs change to 21K2Li		5252	1563		1767	1783	1010	1783	1810	1083	
		5253	1527		1750	1767	983	1717	1833	1043	
Dep 5244 21K8Li 6ht after 3 coadd runs change to 21K2Li		5254	1557		1613	1633	1103	1723	1817	993	
		5255	1557		1757	1783	997	1760	1837	970	

150 1/2 M

5244	1823	1880	930	1723	1910	950	
5245	1807	1883	960	1730	1923	970	
5246	1793	1847	1063	1730	1877	1090	
5247	1827	1870	950	1757	1907	1020	
5248	1797	1867	1060	1720	1893	980	
5249	1807	1867	950	1750	1910	983	
5250	1810	1883	973	1783	1910	1003	
5251	1787	1877	973	1720	1897	1003	
5252	1803	1893	980	1723	1903	983	
5253	1793	1880	987	1613	1867	987	
5254	1830	1867	860	1680	1920	977	
5255	1790	1857	967	1667	1873	963	

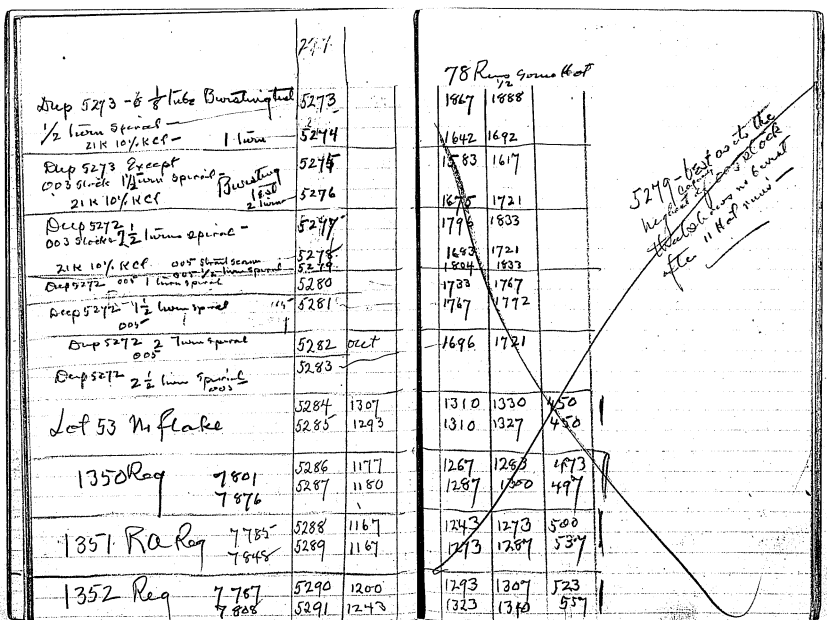
1623	1793	1003	1533	1730	1030		
1643	1787	983	1523	1717	1047		
1647	1780	997	1533	1717	1017		
1687	1800	1017	1573	1683	1020		
1683	1797	1000	1547	1720	1023		
1710	1817	987	1543	1717	1050		
1727	1830	970	1633	1763	1037		
1710	1810	947	1550	1720	1007		
1713	1820	990	1553	1727	1050		
1657	1787	950	1490	1723	987		
1653	1823	993	1580	1800	927		
1683	1780	953	1600	1750	987		

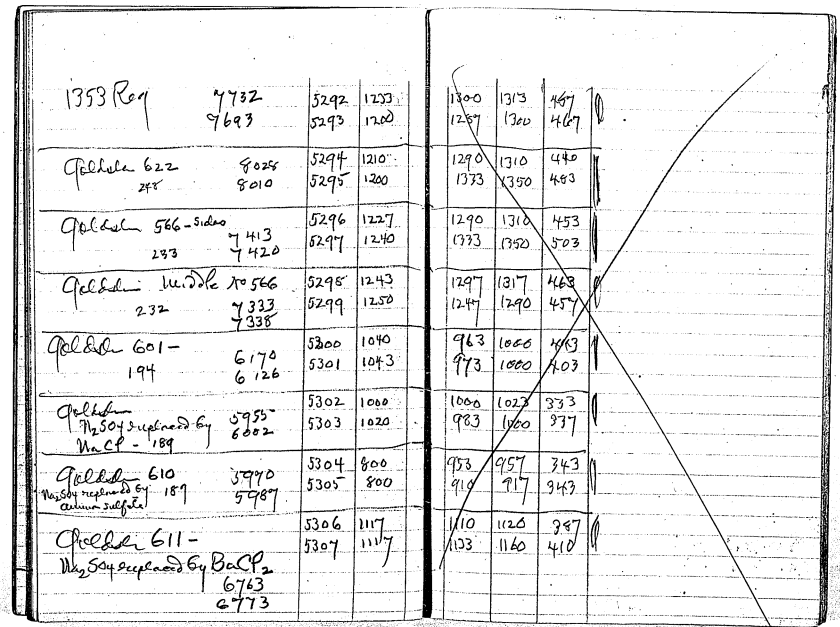
5244	1557	1693	950	1363	1547	1050	1450	1613	1310
5245	1500	1633	1030	1293	1477	1093	1250	1420	957
5246	1567	1660	1030	1400	1570	920	1333	1493	1060
5247	1580	1690	1033	1360	1520	1057	1293	1410	1037
5248	1593	1763	1027	1400	1553	1067			
5249	1580	1684	1053	1360	1477	1100			
5250	1650	1727	1167	1440	1560	1077			
5251	1600	1710	1103	1340	1500	1103			
5252	1563	1660	1050	1400	1567	967			
5253	1580	1707	1163	1440	1623	900			
5254	1600	1717	1037	1447	1620	1053			
5255	1590	1700	1050	1443	1627	967			
5256	1620	1733	1037	1413	1560	1053			
5257	1553	1673	1163	1383	1563	967			

Dup 5244 21K Salmonella Lioff. after 3 runs change to 21K 2 Li	5256	1590	1707	1730	1023	1733	1823	993
	5257	1597	1733	1773	1030	1667	1860	923
Dup 5244 21K 3 Li - after 3 Runs could Change to 21K 3 gruns Lioff.	5258	1450	1630	1703	990	1580	1690	1113
	5259	1450	1577	1703	1010	1593	1653	1117
Dup 5244 21K 4 Lioff after 3 Cacdrum change to. 21K 3 Lioff.	5260	1467	1617	1690	1020	1583	1600	1267
	5261	1477	1617	1753	1000	1533	1600	1227
Dup 5244 - 21K 5 Lioff, after 3 Cacdrum change to 21K 3 Lioff	5262	1467	1580	1720	983	1580	1653	1127
	5263	1447	1567	1680	997	1580	1650	1150
Dup 5244 - 21K 6 Lioff after 3 cacdrum change to 21K 3 Lioff.	5264	1480	1567	1653	953	1590	1767	1117
	5265	1487	1577	1707	980	1647	1900	927
Dup 5244 21K 7 Li after 3 Cacdrum change to 21K 3 Lioff.	5266	1507	1550	1650	990	1617	1893	1040
	5267	1507	1553	1677	987	1617	1883	943
Dup 5244 21K 8 Lioff after 3 cacd runs change to 21K 3 Lioff.	5268	1497	1567	1657	993	1620	1957	893
	5269	1500	1553	1643	1023	1627	1767	917
Dup 5244 21K Salmonella Lioff, run 3 cacd drum change to 21K 3 Lioff.	5270	1483	1450	1487	1083			
	5271	1467	1450	1493	1097			
4 1/8 Intensifier Screens - 003 Slick Straight beam 21K 10% KCl Ionide	2.74 2.82 2.99 2.84	5272	1750	1792				

	150	½	H			
5256	1797	1857	993	1667	1943	963
5257	1797	1900	980	1580	1900	1017
5258	1733	1867	990	1593	1817	1083
5259	1600	1687	1227	1377	537	1057
5260	1687	1777	1113	1600	1757	1150
5261	1733	1867	1073	1600	1760	1133
5262	1687	1843	1067	1613	1850	1097
5263	1700	1837	1093	1533	1720	1137
5264	1667	1823	1107	1520	1787	1107
5265	1700	1890	1050	1580	1780	1143
5266	1533	1860	1100	1400	1700	1040
5267	1667	1833	1067	1513	1780	1070
5268	1600	1867	990	1533	1883	1067
5269	1600	1900	1083	1590	1883	1143

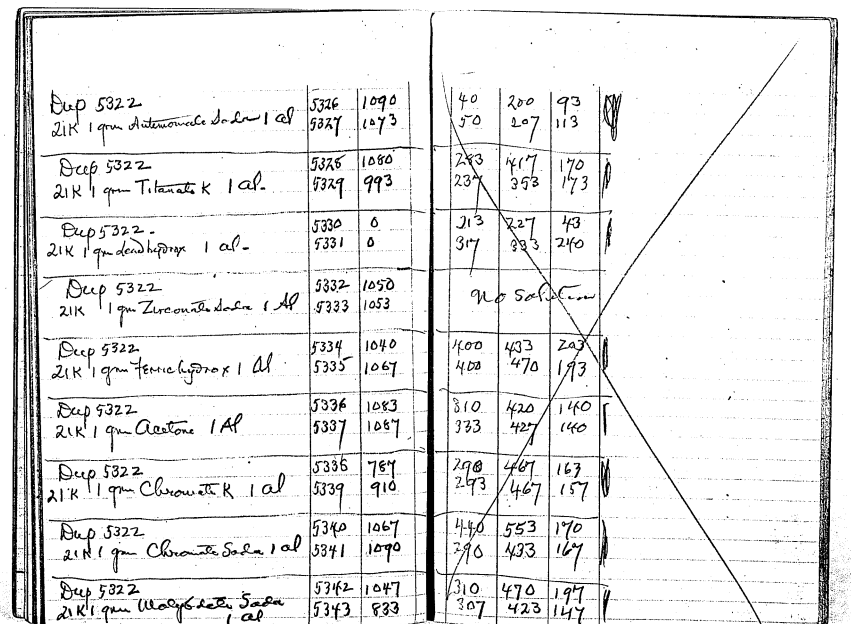
1723	1640	997	1610	1767	1000	
1683	1783	1023	1513	1723	1060	
1533	1673	1110				
1387	1590	1167				
1367	1510	1133				
1390	1520	1097				
1500	1670	1053				
1390	1587	1053				
1393	1583	1163				
1450	1637	1057				
1250	1490	1107				
1400	1597	1067				
1370	1583	1117				
1467	1663	1060				


Dup 5273 - 5/8 Tube Burst slightly
1/2 turn spiral
21K 10% KCl - 1 turn
Dup 5273 Except
003 slick 1/2 turn spiral
21K 10% KCl
Burst at 1 1/2 turn 2 turns
Dup 5272 1/2
003 slick 1 1/2 turns spiral -
21K 10% KCl
Dup 5272 003 1 turn spiral
Dup 5272 1 1/2 turn spiral
003
Dup 5272 2 turn spiral
003
Dup 5272 2 1/2 turn spiral
003
Lot 53 M flake
1350 Reg
1351 RA Reg
1352 Reg
7801
7876
7785
7845
7767
7888
5273
5274
5275
5276
5277
5278
5279
5280
5281
5282
5283
5284
5285
5286
5287
5288
5289
5290
5291
1307
1293
1177
1180
1167
1167
1200
1243
78 Reg 1/2 some kef
1847
1888
1642
1692
1583
1617
1675
1721
1796
1833
1693
1804
1721
1833
1733
1747
1767
1772
1696
1721
1310
1310
1330
1327
450
450
1267
1287
1283
1300
473
497
1243
1293
1273
1289
500
537
1293
1323
1307
1340
523
557
5279 - burst as it the height of the crack the crack was ground to 11 Half turns



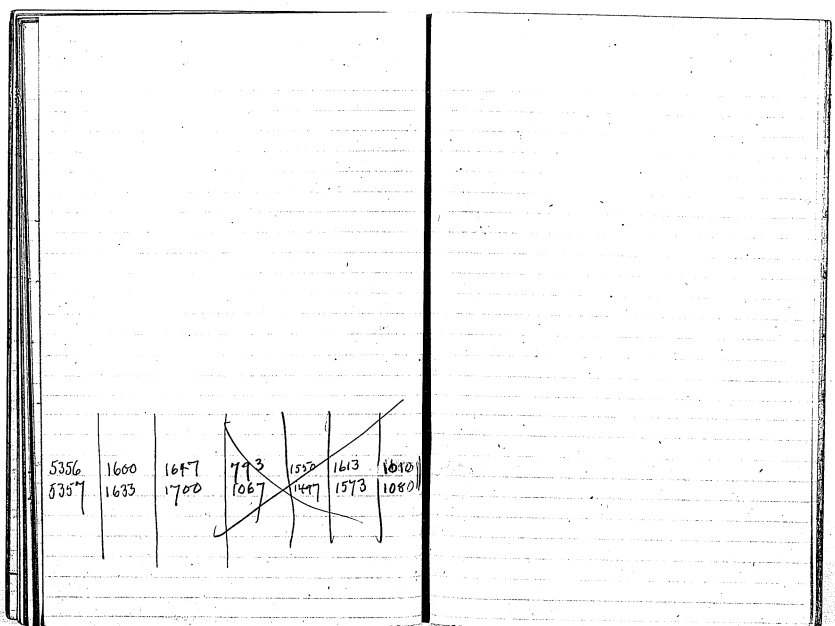
1353 Ref	7432	5292	1233	1300	1313	467	
	9693	5293	1200	1287	1300	467	
Gel block 622	8025	5294	1210	1290	1310	440	
248	8010	5295	1200	1333	1350	483	
Gel block 566 - sides		5296	1227	1290	1310	453	
233	7413	5297	1240	1333	1350	503	
	7420						
Gel block middle to 566		5298	1243	1297	1317	463	
232	7333	5299	1250	1247	1290	457	
	7338						
Gel block 601 -		5300	1040	963	1000	443	
194	6170	5301	1043	973	1000	403	
	6126						
Gel block		5302	1000	1000	1023	333	
Na_2SO_4 replaced by NaCl - 189	5955	5303	1020	983	1000	337	
	6002						
Gel block 610	5990	5304	800	953	957	343	
Na_2SO_4 replaced by calcium sulfate 189	5987	5305	800	910	917	343	
Gel block 611 -		5306	1117	1110	1120	387	
Na_2SO_4 replaced by $BaCl_2$		5307	1117	1133	1160	410	
6763							
6773							

Ra 1370 Expt 233	7225 7250	5308 5309	1150 1150	1260 1247	1280 1270	727 673	
Ra 1371 Expt 238	7241 7205	5310 5311	1207 1210	1277 1267	1293 1287	520 467	
Ra 1372 Expt 234	7312 7260	5312 5313	1213 1220	1303 1310	1320 1327	517 560	
Ra 1373 Expt 236	7193 7259	5314 5315	1220 1260	1310 1373	1330 1363	547 616	
Ra 1374 Expt 237	7245 7252	5316 5317	1223 1213	1333 1313	1357 1333	723 713	
Ra 1375 Expt 223	7020 7039	5318 5319	1207 1207	1320 1310	1340 1327	670 630	
Ra 1376 Expt 230	7171 7223	5320 5321	1193 1230	1277 1213	1297 1330	630 703	
1256 1 gm Alum to 60 ml w/ Expt cell 21K 1 gm Copolymer	7319 7346	5322 5323	1110 1093	490 490	477 493	160 190	
Dup 5822 21K 1 gm Ammonium ClK - 1 gm Al		5324 5325	1087 1100	167 233	323 418	133 160	



Dup 5322 21K 1 gm Antimonate Soda 1 al	5326	1090	40	200	93
	5327	1073	50	207	113
Dup 5322 21K 1 gm Titanate K 1 al.	5328	1080	283	417	170
	5329	993	237	353	173
Dup 5322 21K 1 gm dendhydroxy 1 al.	5330	0	213	227	43
	5331	0	317	333	240
Dup 5322 21K 1 gm Zirconate Soda 1 Al	5332	1050	No Solution		
	5333	1053			
Dup 5322 21K 1 gm Ferric hydrox 1 al	5334	1040	400	433	243
	5335	1067	400	470	193
Dup 5322 21K 1 gm Acetone 1 Al	5336	1083	810	420	140
	5337	1067	333	427	140
Dup 5322 21K 1 gm Chromate K 1 al	5338	784	298	407	167
	5339	910	293	467	157
Dup 5322 21K 1 gm Chromate Soda 1 al	5340	1067	440	553	170
	5341	1090	296	433	167
Dup 5322 21K 1 gm Molybdate Soda 1 al	5342	1047	310	470	197
	5343	833	307	423	147

Dup 5322	5344	1087		353	427	157			
21K 1 gm Molybdate K 1 al.	5345	1020		343	417	190			
Dup 5322	5346	1093		0	100	50			
21K 1 gm Silicate Potash 1 al	5347	1117		6	33	53			
Dup 5322	5348	1123		400	527	143			
21K 1 gm Silicate Soda	5349	1083		467	573	193			
Dup 5322	5350	50		400	423	210			
21K 1 gm Sulphur 1 al.	5351	0		400	420	150			
Dup 5322	5352	1067		43	473	90			
21K 2 gm $Co(C_2H_3O_2)_2$ 1 al	5353	1070		50	347	93			
Gelatine 621 12½% Ba(OH)$_2$.	5354	1343		617	627	867		burnt 3 plasm 3 Dumps	
21K saturated $LiOH$.	5355	1323		580	607	854		" 1 " 1 "	
Dup 5354	5356	1487		1667	1720	907	1617	1657	1133
21K Saturated $LiOH$ after 3 runs	5357	1480		1677	1720	930	1657	1707	1273
put in 21K 2 Li									
Gelatine 621 12% Ba(OH)$_2$.	5358	1420		1393	1407	1223			
25% K + 5 gm $LiOH$. dump 4 spaces	5359	1447		1420	1443	1240			
Under fe Max Temp 7424									
Dup 5358 7464	5360	1500		1323	1379	1257			
21K 6 LiOH.	5361	1463		1383	1407	1163			

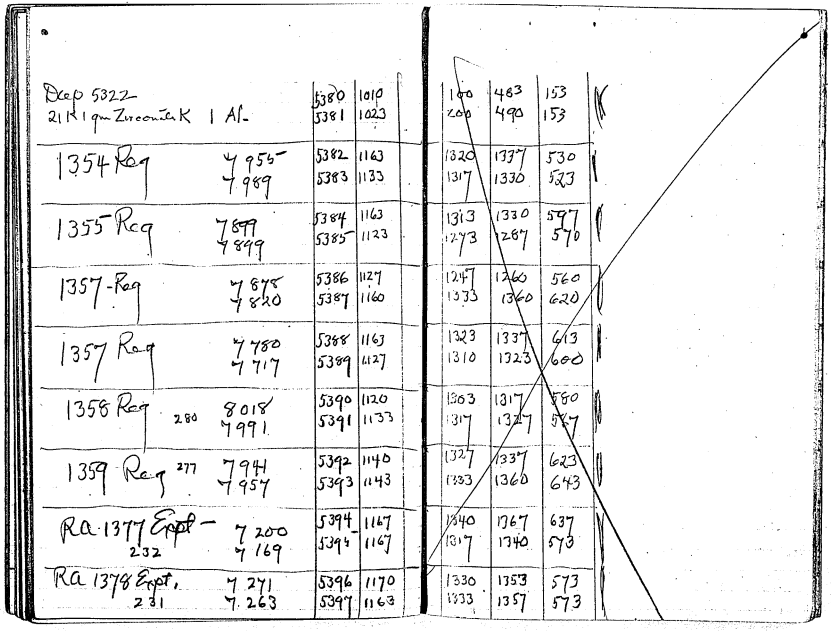

5356 1600 1657 793 1552 1613 1610
5357 1633 1700 1067 1447 1573 1080

Dep 5358	5362	1490	1043	1060	1197	Burnt 1 plates				
21K 7 Li	5363	1473	913	950	1050	" 10 "				
Dep 5358.	5364	1497	640	660	867	Burnt 7 plates				
21K 8 Li0	5365	1490	620	640	867	" 7 "				
Dep 5358.	5366	1493	417	437	620	" 8 "				
21K Saturated Li0	5367	1513	434	455	653	" 5 "				
Hydration 621 12½% Bi0H.	5368	1413	1690	1733	1693	1690	1753	1270	Burnt 5	
21K 5 Li0H after 3 mm change to	5369	1437	1710	1777	1022	1690	1760	1267	Over	
21K 2 Li - 48 gms then 4 gms) Tap 7443										
Dep 5368	5370	1467	1690	1750	1027	1707	1770	1117		
21K 6 Li - after 3 mm put in	5371	1450	1693	1767	1067	1660	1713	1000		
21K 2 Li										
Dep 5368	5372	1477	1643	1677	1167	1707	1763	1267		
21K 7 Li after 3 mm change	5373	1477	1683	1787	1077	1660	1663	1307		
to 21K 2 Li										
Dep 5368 -	5374	1447	1693	1840	1000	1667	1727	1307		
21K 8 Li0 - after 3 mm change	5375	1490	1680	1807	1067	1667	1763	1247		
To 21K 2 Li										
Dep 5368 -	5376	1483	1680	1827	1010	1653	1743	1263		
21K Saturated Li0H after	5377	1477	1680	1807	930	1640	1743	1263		
3 mm change to 21K 2 Li										
Dep 5322 - 21K 1 gm Titanate	5378	967								
dosed 1 gm Aluminum	5379	1043								

Rimmed 42 Feb

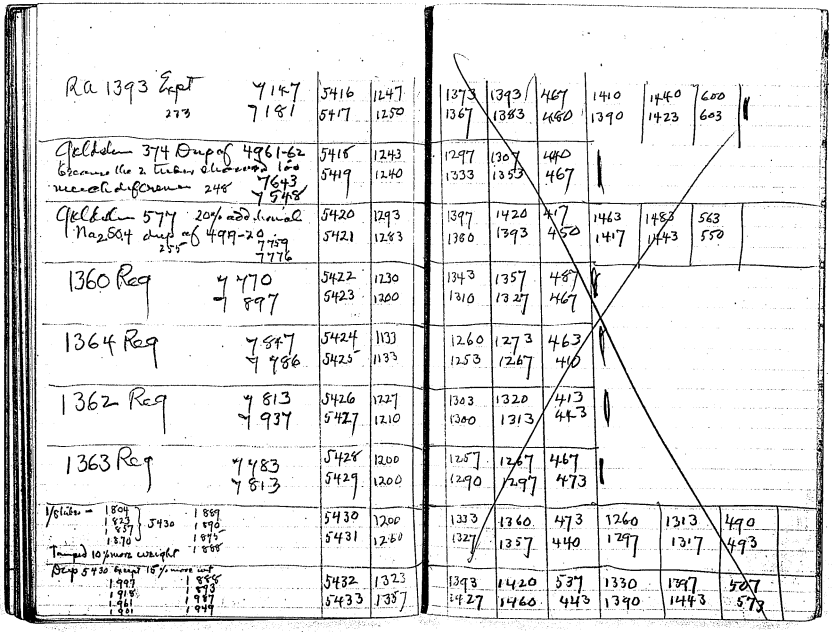
Headlight

5368	1420	1550					
5369	1463	1487					
5370	1707	1767	1653	1547	1633	1400	
5371	1623	1703	1110	1457	1573	1103	
5372	1653	1717	1077	1487	1557	1057	
5373	1583	1627	1077	1467	1540	1133	
5374	1580	1647	1117	1437	1520	1090	
5375	1627	1733	1077	1350	1503	1090	
5376	1600	1703	1063	1543	1653	1120	
5377	1623	1703	1077	1610	1777	1067	



Dep 5322		5380	1010	140	483	153	
21K 1gm Zirconia K 1 Al.		5381	1023	200	490	153	
1354 Reg	7956	5382	1163	1320	1337	530	
	7989	5383	1133	1317	1330	523	
1355 Reg	7899	5384	1163	1313	1330	597	
	7899	5385	1123	1273	1267	570	
1357 Reg	7875	5386	1127	1247	1260	560	
	7820	5387	1160	1333	1360	620	
1357 Reg	7780	5388	1163	1323	1337	613	
	7717	5389	1127	1310	1323	600	
1358 Reg 280	8018	5390	1120	1303	1317	580	
	7991	5391	1133	1317	1327	587	
1359 Reg 277	7941	5392	1140	1327	1337	623	
	7957	5393	1143	1333	1360	643	
RA 1377 Expt -	7200	5394	1147	1340	1767	637	
232	7169	5395	1167	1317	1740	573	
RA 1378 Expt.	7271	5396	1170	1330	1353	573	
231	7263	5397	1163	1333	1357	573	

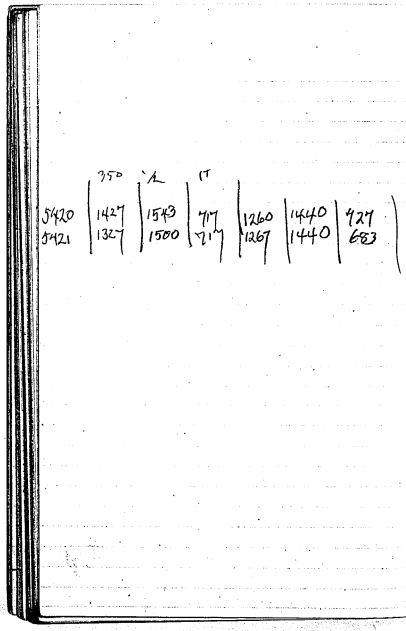
Ra 1379 Expt 233	7275	7258	5398	1140	1327	1347	583				
			5399	1157	1323	1337	553				
Ra 1380 - Expt 234	7296	7218	5400	1193	1333	1330	557				
			5401	1163	1327	1350	550				
Ra 1381 Expt. 229	7162	7080	5402	1127	1333	1360	617				
			5403	1117	1277	1297	647				
Ra 1382 Expt 233	7227	7265	5404	1150	1303	1323	727				
			5405	1153	1283	1310	727				
Ra 1383 Expt 229	7124	7093	5406	1130	1333	1363	673				
			5407	1133	1323	1340	660				
Ra 1384 230	7126	7102	5408	1150	1310	1323	470				
			5409	1160	1327	1337	470				
Ra 1385 232	7090	7056	5410	1213	993	993	373	1037	1050	510	
			5411	1200	1347	1367	560	1380	1393	583	
Ra 1391 (11642m) 254	7991	7994	5412	1210	1327	1340	410				
			5413	1210	1333	1347	413				
Ra 1392 Expt -	7283	7200	5414	1257	1347	1370	480	1393	1423	617	
			5415	1260	1367	1337	433	1380	1393	577	

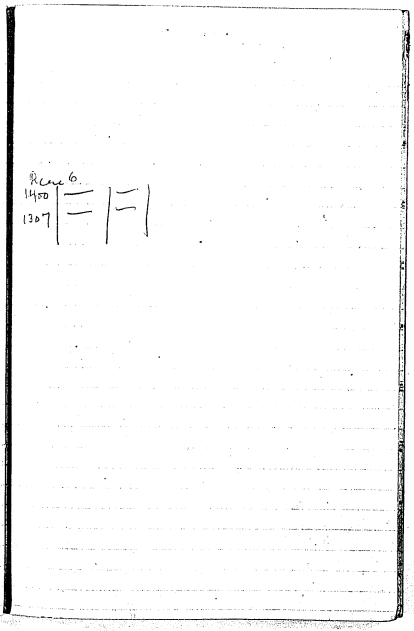

Ra 1393 Expt 7147 7181 5416 5417 1247 1250 1373 1367 1393 1383 467 460 1410 1390 1440 1423 600 603
Gelatin 374 Dup of 4961-62 Became the 2 tubes showed less mucoid difference 248 7643 7548 5418 5419 1243 1240 1297 1333 1307 1353 440 467
Gelatin 577 20% add'l Na2SO4 dup of 499-20 255 7759 7776 5420 5421 1293 1283 1397 1380 1420 1393 447 450 1463 1417 1483 1443 563 550
1360 Req 7470 7897 5422 5423 1230 1200 1343 1310 1357 1327 487 467
1364 Req 7847 7986 5424 5425 1133 1133 1260 1253 1273 1267 463 440
1362 Req 7813 7937 5426 5427 1227 1210 1303 1300 1320 1313 413 443
1363 Req 7483 7813 5428 5429 1200 1200 1257 1290 1267 1297 467 473
Yields = 1804 1823 1837 1870 5430 1859 1890 1895 1888
Tripod 10% max weight
Dup 5430 Equip 15% max wt 1.999 1.918 1.961 1.901 1.855 1.873 1.927 1.949 5432 5433 1323 1357 1393 1427 1420 1460 537 443 1330 1390 1397 1443 507 573
5430 1200 1260 1333 1327 1360 1357 473 440 1260 1297 1313 1317 490 493

5420	1483	1513	700	1490	1527	663
5421	1447	1483	640	1467	1500	657
5430	1387	1460	517	1253	1377	470
5431	1437	1500	480	1293	1410	520
5432	1447	1533	487	1300	1417	543
5433	1460	1597	557	1320	1430	640

25° /2 TT

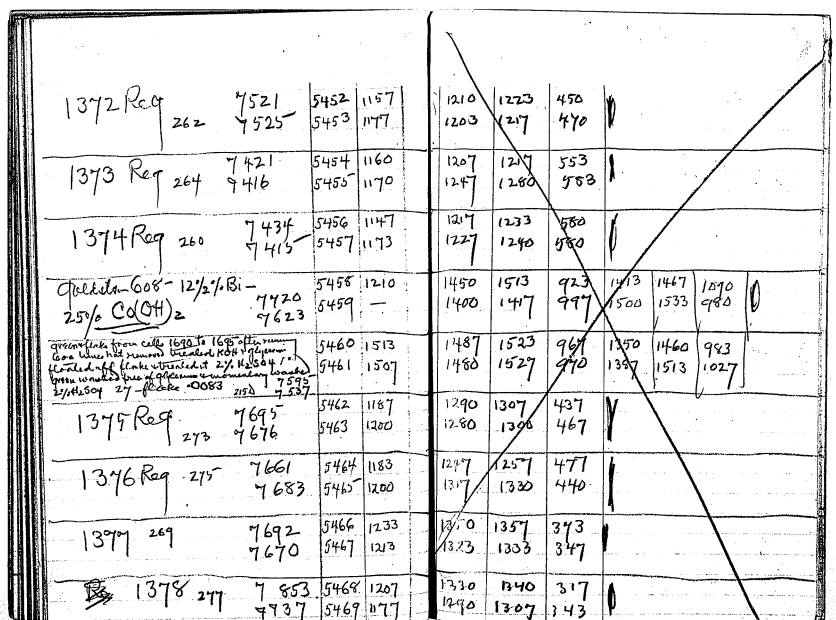
1417	1507	683	1430	1577	777	
1427	1490	673	1380	1507	717	
1210	1337	713	1183	1313	713	
1200	1343	814	1197	1320	816	


350
A
17
5420
5421
1427
1327
1543
1500
717
721
1260
1267
1440
1440
927
683


Rene 6
1450
1307

1365 Req	276	7860 7836	5434 5435	
1366-Req	274	7844 7816	5436 5437	
1367 Req	269	7765 7800	5438 5439	
1368-	272	7861 7854	5440 5441	
Lot 54 flake- 243.4 - flake Light flake -		7321 7299	5442 5443	
Dup 4953-4 - because 2 tubes observed big dif -		7449 7760	5444 5445	
1369 Req	271	7667 7568	5446 5447	1163 1153
1370 Req	270	7635 7670	5448 5449	1143 1130
1371 Req	267	7691 7646	5450 5451	1187 1183

1263 1307	1267 1320	447 490	I				
1303 1173	1323 1187	517 517	I				
1267 1257	1297 1267	523 507	I				
1317 1320	1323 1327	450 460	I				
1267 1320	1297 1330	540 460	II				
1303 1117	1327 1147	477 450		1327 1160	1357 1240	473 563	0
1250 1257	1257 1263	433 453	II				
1223 1187	1233 1197	437 433	I				
1217 1240	1227 1250	440 473	I				



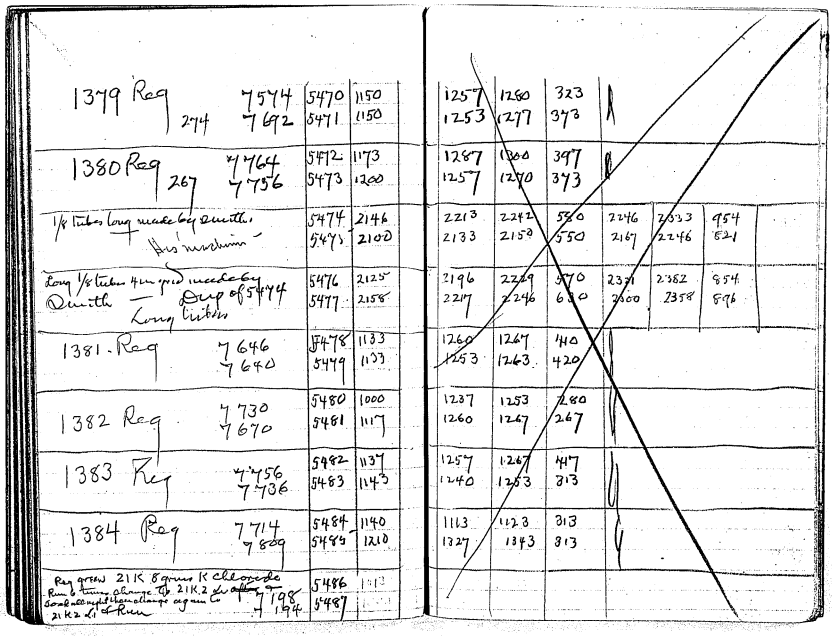
1372 Req	262	7521 7525	5452 5453	1157 1177	1210 1203	1223 1217	450 490						
1373 Req	264	7421 7416	5454 5455	1160 1170	1207 1247	1217 1280	553 583						
1374 Req	260	7434 7415	5456 5457	1147 1173	1217 1227	1233 1240	580 580						
Acetate 608 - 12½% Bi - 25% Cd(OH)2		7720 7623	5458 5459	1210 —	1450 1400	1513 1447	923 997	1413 1500	1467 1533	1090 980			
green flake from cells 1620 to 1695 after vacuum Coo Lbs. Hld removed treated KOH 7 days vacuum treated of flake separated at 2% K2SO4 / green washed free of gaseous ammonium hydroxide 2% H2SO4 27 - flecks .0083 215D		7595 7537	5460 5461	1513 1507	1487 1480	1523 1527	967 990	1350 1387	1460 1513	983 1027			
1375 Req	273	7695 7676	5462 5463	1187 1200	1290 1280	1307 1308	437 467						
1376 Req	275	7661 7683	5464 5465	1183 1200	1247 1317	1257 1330	477 440						
1377	269	7692 7670	5466 5467	1233 1213	1310 1323	1357 1303	373 347						
1378	277	7853 7937	5468 5469	1207 1177	1330 1290	1340 1307	317 343						

Note high hot two B's

150 1/2 ft.

5460	1320	1433	977	1167	1250	850
5461	1320	1440	1003	1173	1267	853

1267	1367	863	937	1020	847	
1297	1390	860	1073	1183	894	



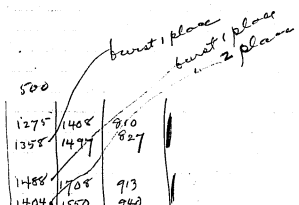
1379 Reg	274	7574 7692	5470 5471	1150 1150	1257 1253	1280 1277	323 373					
1380 Reg	267	7764 7756	5472 5473	1173 1200	1287 1257	1300 1270	397 373					
1/8 Tubes long made by Smith's Hes machine			5474 5475	2146 2100	2213 2133	2242 2159	580 550	2246 2167	2333 2246	954 821		
Long 1/8 tubes 4th grid made by Smith — Dup of 5474 Long tubes			5476 5477	2125 2156	2196 2217	2229 2246	570 600	2371 2400	2382 2358	854 876		
1381 Reg		7646 7640	5478 5479	1133 1133	1260 1253	1267 1263	410 420					
1382 Reg		7730 7670	5480 5481	1000 1117	1237 1260	1253 1247	280 247					
1383 Reg		7756 7736	5482 5483	1137 1143	1257 1240	1267 1253	417 313					
1384 Reg		7714 7809	5484 5485	1140 1210	1113 1327	1123 1343	313 313					
Reg grew 21K 8 grams K chloroside Reg 8 turns change to 21K 2 dr after 40 doubled with 8 gallons 21K 2 dr after		7798 7894	5486 5487									

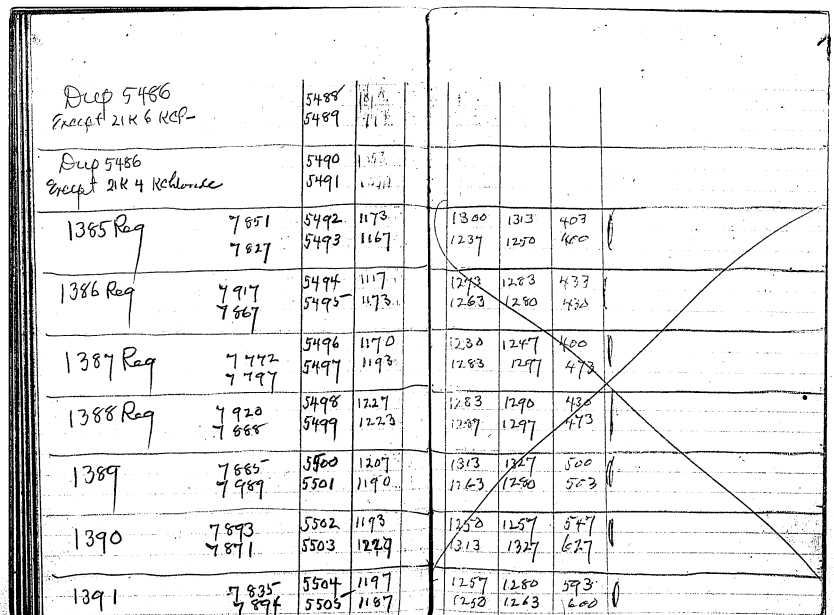
	150	½	H	200	½	H
5474	2233	2375	763	2046	2250	763
5475	2183	2313	709	2021	2240	913
5476	2313	2438	692	2171	2375	723
5477	2271	2425	746	2088	2308	710

240 ~~½ H~~

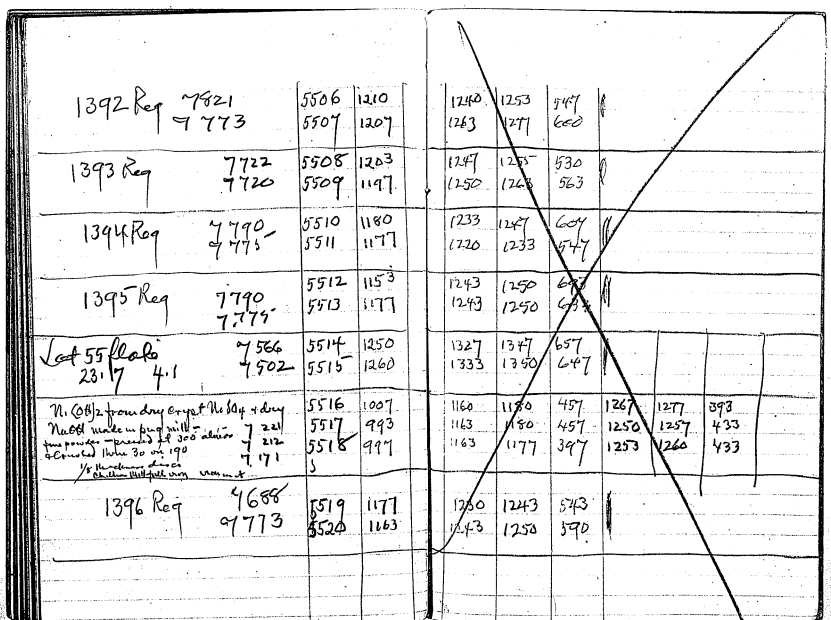
			300	½	H
1808	2008	946	1713	1946	1065
1821	2017	863	1717	1954	1030
1921	2129	858	1896	2100	1025
1935	2025	805	1813	1992	1040

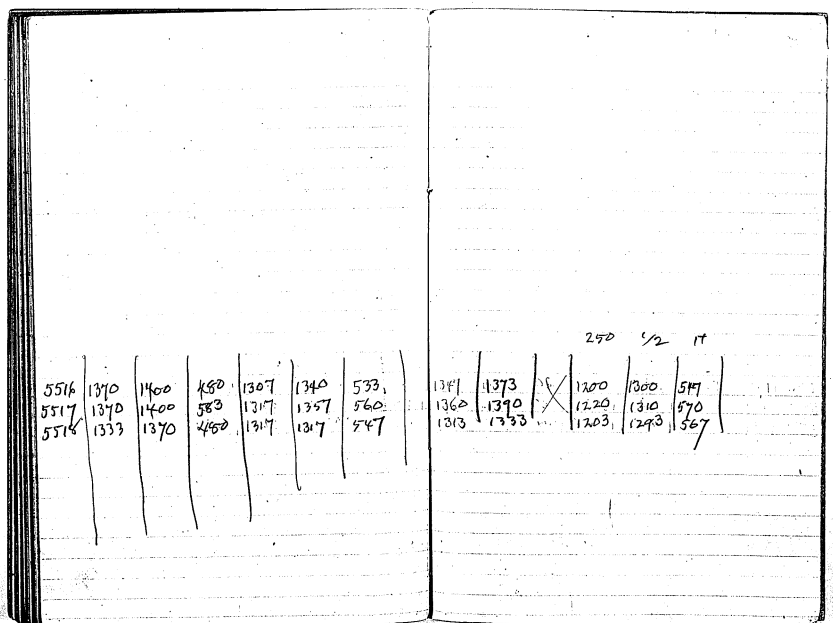
	350	½	N	400	½	N
5474	1633	1879	1017	1679	1871	1158
5475	1646	1871	1021	1604	1804	1063
5476	1821	1979	996	1775	1950	975
5477	1742	1908	1013	1758	1950	754

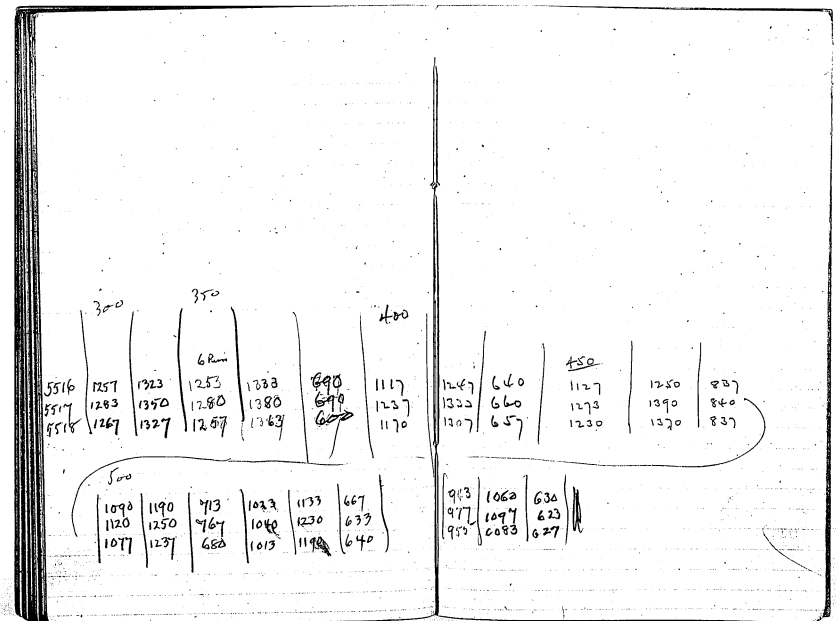


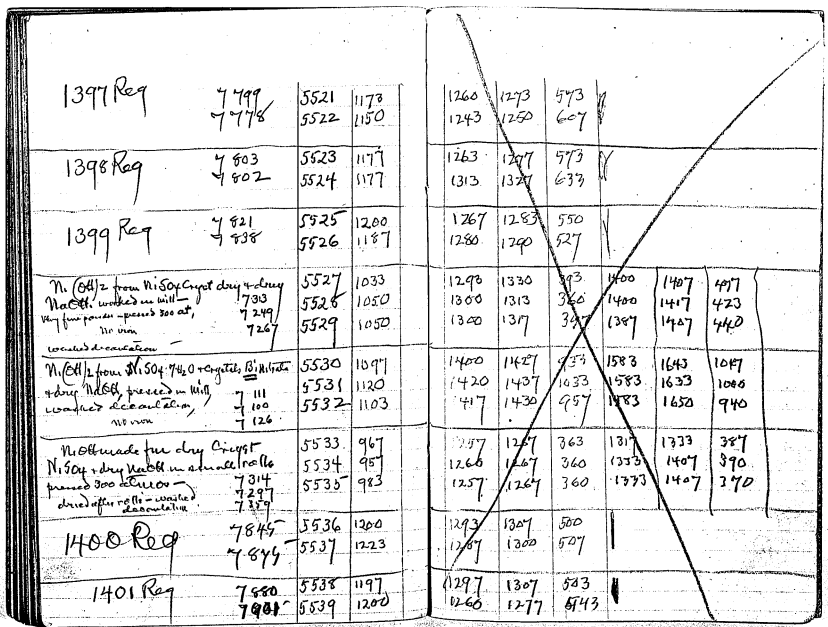


Dup 5486 Except 21K 6 RCP		5488	1184				
		5489	1173				
Dup 5486 Except 21K 4 Richmond		5490	1167				
		5491	1173				
1385 Reg	7851	5492	1173	1300	1313	403	
	7827	5493	1167	1237	1250	400	
1386 Reg	7917	5494	1117	1273	1283	433	
	7867	5495	1173	1263	1280	433	
1387 Reg	7772	5496	1170	1230	1247	400	
	7797	5497	1193	1283	1297	473	
1388 Reg	7920	5498	1227	1283	1290	430	
	7888	5499	1223	1287	1297	473	
1389	7885	5500	1207	1313	1327	500	
	7989	5501	1190	1263	1280	503	
1390	7893	5502	1193	1253	1257	547	
	7871	5503	1247	1313	1327	627	
1391	7835	5504	1197	1257	1280	593	
	7894	5505	1187	1250	1263	600	


1392 Req 7821 9773
5506 5507 1210 1207
1240 1263 1253 1271 547 660
1393 Req 7722 7720
5508 5509 1203 1197
1249 1250 1255 1248 530 563
1394 Req 7790 9775
5510 5511 1180 1177
1233 1220 1247 1233 604 547
1395 Req 7790 7.775
5512 5513 1153 1177
1243 1243 1250 1250 645 645
Lot 55 flake 23.17 4.1
7566 7502
5514 5515 1250 1260
1327 1333 1347 1350 657 647
Ni(OH)2 from dry & wet Ni slag + dry NaOH made in pug mill
7.221 7.212 7.171
5516 5517 5518 1007 993 997
1160 1163 1163 1180 1180 1177 457 457 397 1267 1250 1253 1277 1257 1260 393 433 433
1396 Req 4688 9773
5519 5520 1177 1163
1250 1243 1243 1250 543 590


250 1/2 14
5516 1370 1400 450 1307 1340 533
5517 1370 1400 583 1317 1357 560
5518 1333 1370 450 1317 1347 547
1381 1373 1200 1300 549
1360 1390 1220 1310 570
1313 1333 1203 1293 567


300
350
400
450
500
6 Runs
5516 1257 1323 1253 1288 690 1117 1267 640 1127 1250 887
5517 1283 1350 1280 1380 640 1237 1322 660 1273 1390 840
5518 1269 1327 1267 1363 600 1170 1307 657 1230 1370 837
1090 1190 913 1033 1133 667
1120 1250 964 1040 1230 633
1077 1237 680 1013 1190 640
943 1060 630
977 1094 623
955 6083 627



1397 Req
7499
7778
5521 1178
5522 1150
1260 1273 573
1243 1250 607

1398 Req
7803
7802
5523 1177
5524 1177
1263 1297 573
1313 1327 633

1399 Req
7821
7838
5525 1200
5526 1187
1267 1283 550
1280 1290 527

Ni(OH)2 from NiSO4 Crystal dry + dry NaOH, worked in mill
7393
7249
7267
No iron
worked decantation
5527 1033
5528 1050
5529 1050
1298 1330 573 1400 1407 497
1300 1313 560 1400 1417 423
1300 1317 567 1387 1427 440

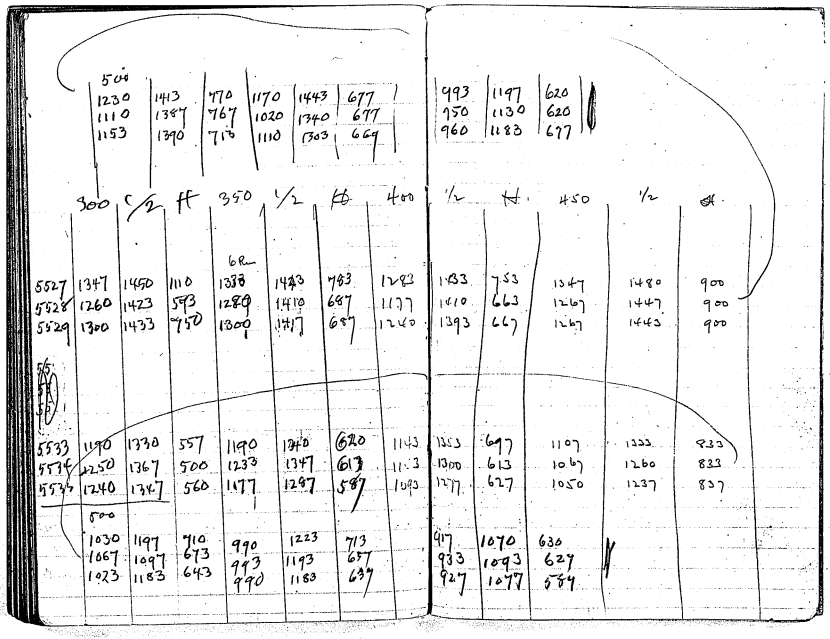
Ni(OH)2 from NiSO4·7H2O + crystals Ni Nitrate + dry NaOH, pressed in mill, worked decantation
7111
7100
7126
No iron
5530 1097
5531 1120
5532 1103
1400 1427 573 1583 1643 1017
1420 1437 1033 1583 1633 1086
1417 1430 957 1583 1650 940

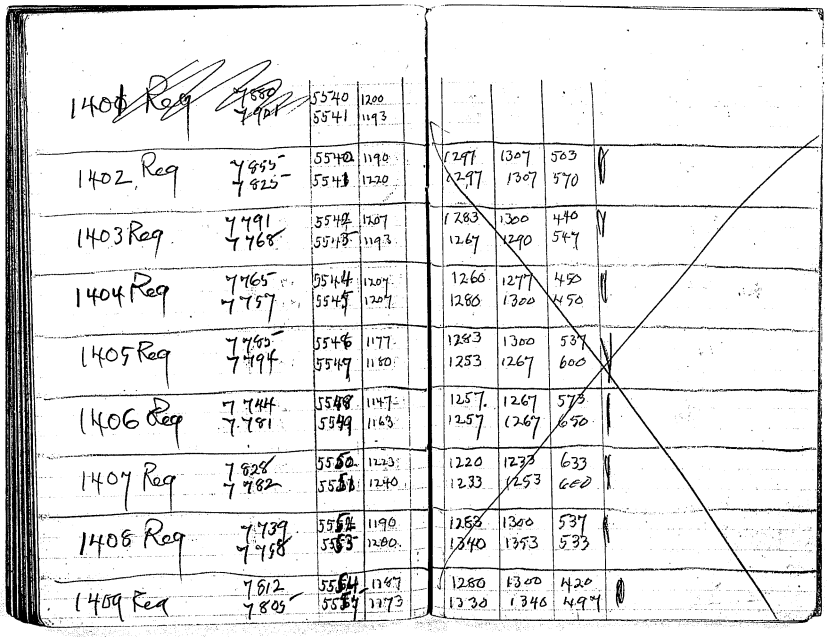
Ni OH made for dry Crystal Ni SO4 + dry NaOH in attritor rolls pressed 300 tons
7314
7297
7377
5533 967
5534 957
5535 983
1287 1297 363 1317 1373 387
1266 1267 360 1333 1407 390
1257 1267 360 1333 1407 370

1400 Req
7845
7845
5536 1200
5537 1223
1293 1307 500
1267 1300 507

1401 Req
7880
7901
5538 1197
5539 1200
1297 1307 583
1260 1277 543

5527	1527	1550	583	1427	1483	570	1473	1507	X	1333	1447	607
5528	1517	1530	560	1397	1473	557	1447	1497		1320	1447	603
5529	1520	1550	603	1438	1493	592	1480	1510		1357	1433	643
5530	1600	1723	1033	1317	1650	1103	1577	1637	X	1423	1557	1137
5531	1597	1740	910	1533	1697	1060	1627	1690		1517	1640	1017
5532	1600	1733	1007	1437	1690	1050	1613	1683		1467	1620	1047
5533	1433	1467	477	1313	1377	503	1360	1417		1250	1340	580
5534	1433	1467	450	1320	1387	463	1373	1383		1263	1367	560
5535	1427	1443	447	1317	1377	493	1360	1390		1213	1303	503





1400 Reg	7880 7944	5540 5541	1200 1193				
1402 Reg	7855 7825	5542 5543	1190 1220	1297 1297	1307 1307	563 570	
1403 Reg	7791 7768	5547 5548	1207 1193	1283 1267	1300 1290	440 547	
1404 Reg	7765 7757	5544 5545	1207 1204	1260 1280	1277 1300	450 450	
1405 Reg	7785 7794	5546 5549	1177 1180	1283 1253	1300 1267	537 600	
1406 Reg	7744 7781	5548 5549	1147 1163	1257 1257	1267 1267	573 650	
1407 Reg	7828 7782	5550 5551	1223 1240	1220 1233	1233 1253	633 660	
1408 Reg	7739 7758	5552 5553	1190 1200	1253 1340	1300 1353	537 533	
1409 Reg	7812 7805	5554 5553	1147 1173	1280 1330	1300 1346	420 494	

Notebook, N-12-03-16

9
10 etc

Merit Co 5989

Rome Co.,
MFG. STATIONERS,
69 FULTON STREET,
NEW YORK.
45009

B1 12½ Tubes not placed 6117-
End Book

1410 Reg	7800 7802	5556 5557	
Reg Li – 21K 4 Li gone 1 OA. run 3 times + change to 21K 2 Li	7256 7257	5558 5559	1267 1267
Dep 5558 21K 4 Li run 3 times change to 21K 2 Li		5560 5561	1260 1277
Dep 5558 21K 5 Li run 3 times then change to 21K 2 Li		5562 5563	1293 1283
Dep 5558 21K 6 Li OA run 3 times then Change to 21K 2 Li		5564 5565	1327 1287
Dep 5558 21K 4 Li run 3 times Chain Change to 21K 2 Li		5566 5567	1313 1297
Dep 5558 21K Saturated Li soak until they are ready to go on Change then Change solutions + test in 21K 2 Li go okay put on Change		5568 5569	1280 1253

1303 317	1313 1306	500 533			
1360 1330	1370 1347	647 570	1417 1400	1440 1440	683 630
1367 1333	1377 1347	500 520	1447 1447	1483 1447	740 713
1387 1370	1400 1387	633 627	1443 1443	1483 1467	790 740
1380 1367	1420 1383	680 717	1420 1420	1447 1443	760 787
1383 1333	1417 1353	763 707	1443 1377	1467 1443	843 717
1363 1367	1383 1373	673 673	1453 1450	1477 1467	827 833

Lower Chase

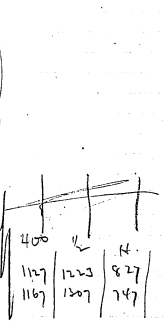
5555	1457	1490	710	1443	1507	600		1390	1500	790	1373	1507	763
5559	1447	1483	717	1440	1510	593		1340	1470	767	1283	1437	760
5560	1463	1510	793	1417	1507	637		1283	1460	773	1233	1387	720
5561	1457	1493	813	1420	1510	653		1370	1483	783	1280	1443	1443
5562	1477	1560	883	1353	1500	751		1233	1390	820	1150	1293	737
5563	1460	1507	810	1443	1553	710		1327	1487	780	1287	1450	737
5564	1417	1567	817	1457	1583	760		1313	1490	763	1333	1487	760
5565	1483	1583	893	1507	1587	823		1413	1533	830	1297	1480	813
5566	1510	1580	957	1547	1613	853		1400	1540	800	1323	1463	897
5567	1440	1483	903	1450	1553	807		1380	1493	810	1430	1530	813
5568	1467	1523	783	1453	1587	803		1323	1483	713			
5569	1453	1510	717	1467	1570	823		1343	1487	790			

250

300

Next time run 6 runs instead of 7 to end

5558	1090	1223	743
5559	1167	1307	733
5560	1110	1300	757
5561	1173	1350	757
5562	1057	1227	773
5563	1182	1347	667
5564	1190	1320	820 S
5565	1083	1323	820 S
5566	1197	1327	780
5567	1200	1333	737
	500		
5568	907	1000	507
5569	927	1013	670



450	½	#	500		900	Lwr. Lvl.		
1047	1187	953	1120	1243	1120	1287		
1057	1247	867	1083	1310	715	1083	1267	

Calibration 621 M.OH 12% Bismuth 21K 7 Li after running 4 times and Change 5mC to 21K 1 1/2 OH		5570 5571	1423 1437		1660 1653	1743 1717	830 770	1667 1663	1823 1823	1053 1053
Dup 5570 21K 7 Li after running 4 times Change to 21K 1 1/2 OH		5572 5573	1463 1463		1657 1620	1717 1773	597 597	1717 1710	1830 1780	1080 1080
Lot #56 Hecke 24. 4.3 -	7550 7467	5574 5575	1174 1180		1287 1277	1300 1287	557 524			
1411 Req	7680 7749	5576 5577	1173 1143		1233 1233	1233 1247	443 440			
1412 Req	7818 7823	5578 5579	1210 1200		1250 1267	1293 1280	527 523			
1413 Req	7760 7753	5580 5581	1147 1187		1243 1240	1253 1253	437 520			
1414 Req	7774 7775	5582 5583	1143 1193		1257 1260	1267 1277	517 513			
1415 Req Check pulsecode Lamp	7851 7826	5584 5585	1147 1143		1240 1247	1257 1253	433 510			

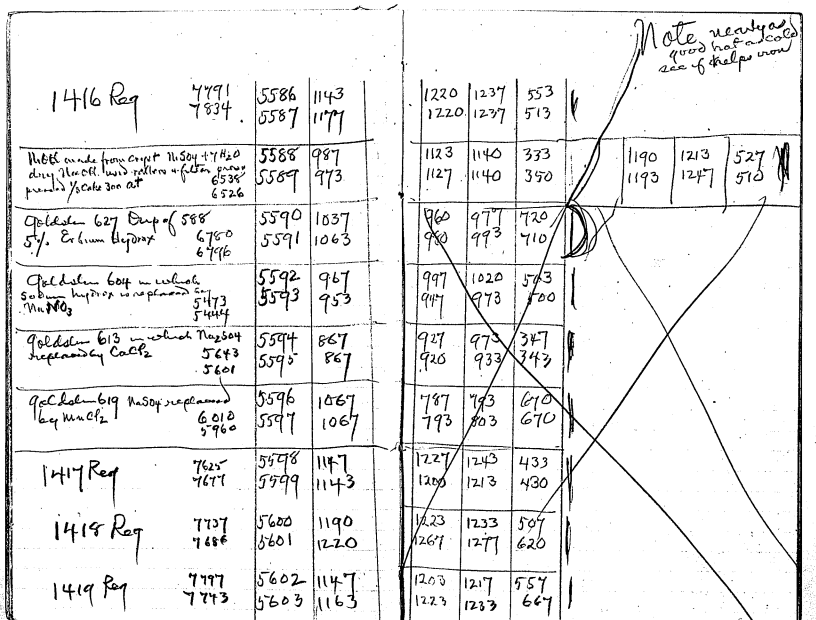
5570	1583	1653	1210	1563	1760	1163
5571	1587	1640	1193	167	1797	1097
		5 Error				
5572	1690	1730	1143	1667	1760	1150
5573	1693	1707	1277	1717	1793	1157

300 ft/s 14

1433	1540	1123	1571	1653	1050
1557	1633	1140	1593	1683	1100
1633	1733	1157	1657	1730	1247
1657	1800	1183	1560	1653	1290

bound ½ year Cap
bread no enclosure

5570	1523	1630	1100
5571	1533	1660	893
5572	1500	1613	1117
5573	1434	1560	1234


1416 Reg
7491
7834
5586
5587
1143
1179
1220
1220
1237
1237
553
513
Note nearly as good not as close as the rows
1414 Reg
7625
7677
5598
5599
1147
1143
1227
1209
1243
1213
433
430
1415 Reg
7737
7686
5600
5601
1190
1220
1223
1267
1233
1271
507
620
1419 Reg
7797
7773
5602
5603
1147
1163
1208
1223
1217
1233
557
667

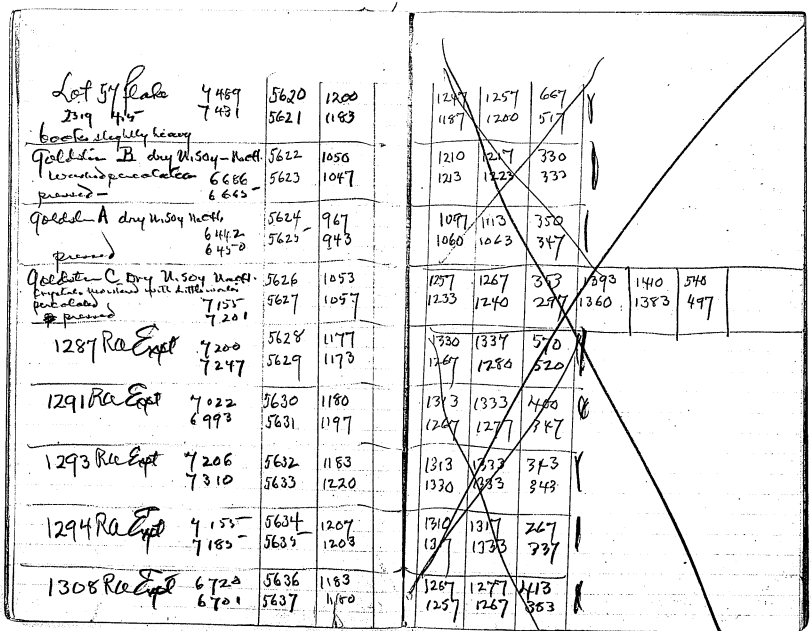
100

[illegible]														
~~Quld~~ ~~Dry~~ $NiSO_4$ + dry NaOH	5455 5433	5604 5605	893 903	850 847	860 860	467 417								
Dup 5604 pressed in discs	6390 6351	5606 5607	950 957	1057 1083	1067 1093	467 467								
Dry $NiSO_4$ + dry NaOH mixed Rolls — washed filter press dried 80C pressed cake	7160 7159	5608 5609	1047 1057	1260 1283	1267 1297	420 417	1367 1370	1400 1400	470 473	1387 1400	1407 1420	427 430		
1420 Rd Expt 235	7342 7388	5610 5611	1277 1277	1327 1330	1343 1347	617 640								
1420 Reg	7770 7786	5612 5613	1230 1213	1260 1233	1267 1243	563 517								
1421 Reg	7745 7845	5614 5615	1180 1167	1260 1223	1267 1233	597 530								
1422 Reg	7812 7763	5616 5617	1227 1183	1267 1223	1277 1233	600 570								
1423 Reg	7690 7737	5618 5619	1200 1140	1213 1193	1227 1210	640 600								

	150			200			250			300	1/2	rt
										6Rm		
5608	1393	1440	617	1323	1393	627	1323	1413	723	1250	1343	657
5609	1400	1433	572	1360	1383	587	1313	1397	723	1246	1340	663

	400	½	M	450	½	GT
5608	1157	1310	663	1193	1367	823
5609	1147	1293	693	1047	1213	817

500	½	M,	550			600		
1047	1290	713	943	1110	683	843	1020	677
980	1180	713	957	1103	680	877	1030	623

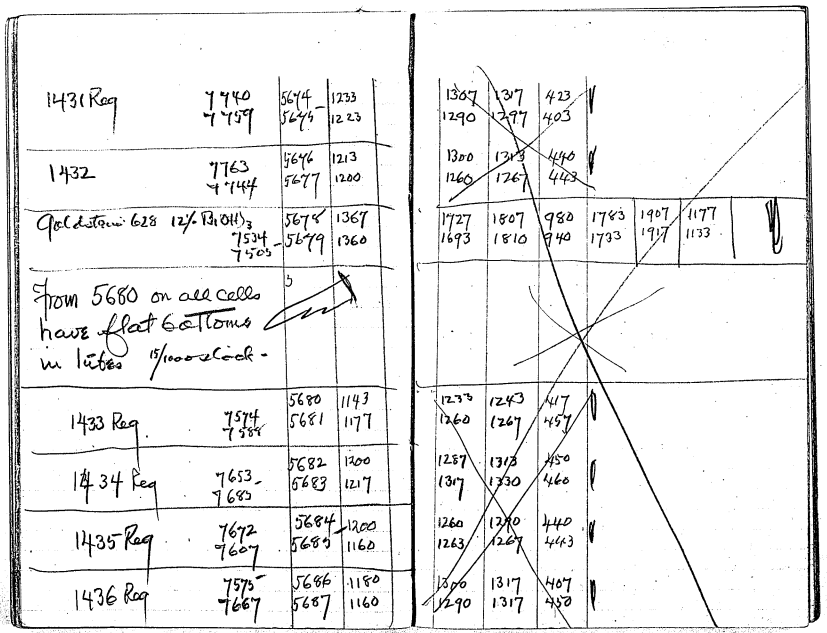

Lot 54 Flake 4469 5620 1200
7481 5621 1183
Goldstein B dry M.Soy-Kauff 5622 1056
Goldstein A dry M.Soy Kauff 5624 967
6442 5625 943
6450
Goldstein C dry M.Soy Kauff 5626 1053
7155 5627 1057
7201
1287 Re Expt 7200 5628 1177
7247 5629 1173
1291 Re Expt 7022 5630 1180
6993 5631 1197
1293 Re Expt 7206 5632 1183
7310 5633 1220
1294 Re Expt 7155 5634 1207
7185 5635 1208
1308 Re Expt 6720 5636 1183
6701 5637 1150
1247 1257 667
1187 1200 517
1210 1217 330
1213 1223 333
1097 1113 350
1060 1063 347
1257 1267 353
1233 1240 297
1330 1337 570
1267 1280 520
1313 1333 440
1247 1277 387
1313 1333 343
1330 1333 343
1310 1317 267
1267 1277 1413
1257 1267 353
1393 1440 548
1360 1383 497

	150			200		
5626	1380	1410	707	1380	1427	583
5627	1417	1443	377	1350	1367	463

Ra 1309 Expt	6932	5638	1130	1280	1300	363
	7007	5639	1140	1280	1290	353
Ra 1314 Expt	6900	5640	1190	1280	1290	393
	6868	5641	1177	1230	1247	317
Ra 1317 Expt	7403	5642	1240	1327	1333	480
	7397	5643	1230	1323	1330	497
Ra 1318 Expt	7442	5644	1250	1330	1340	437
	7400	5645	1250	1327	1330	443
Ra 1320 Expt	7541	5646	1233	1360	1380	440
	7532	5647	1230	1360	1377	450
Ra 1321 Expt	7590	5648	1213	1363	1380	427
	7569	5649	1200	1363	1370	320
Ra 1322 Ex	7446	5650	1127	1357	1370	407
	7413	5651	1120	1340	1353	350
Ra 1323 Ex	7405	5652	1143	1340	1370	347
	7383	5653	1143	1333	1340	204
Ra 1324 Ex	6773	5654	1143	1273	1284	317
	6776	5655	1160	1270	1283	347

Dup of 5410 by def — cut	7191	5656	1213
	7159	5657	1240
1424 Reg	7994	5658	1183
	7909	5659	1171
1425 Reg	7795	5660	1170
	7786	5661	1190
1426 Reg	7895	5662	1170
	7897	5663	1157
1427 Reg	7677	5664	1207
	7680	5665	1220
1428 Reg	7715	5666	1200
	7640	5667	1220
1429 Reg	7805	5668	1210
	7795	5669	1210
1430 Reg	7634	5670	1210
	7745	5671	1213
Lot 58 23.7 3.7	7438	5672	1257
Bradley County Tax Book	7370	5673	1250

1270	1287	420
1317	1340	427
1243	1253	387
1297	1310	420
1273	1283	393
1260	1270	323
1260	1267	367
1287	1293	433
1317	1327	413
1297	1307	390
1310	1320	393
1310	1320	410
1303	1313	367
1280	1290	338
1323	1333	410
1267	1277	423
1330	1343	443
1333	1347	427

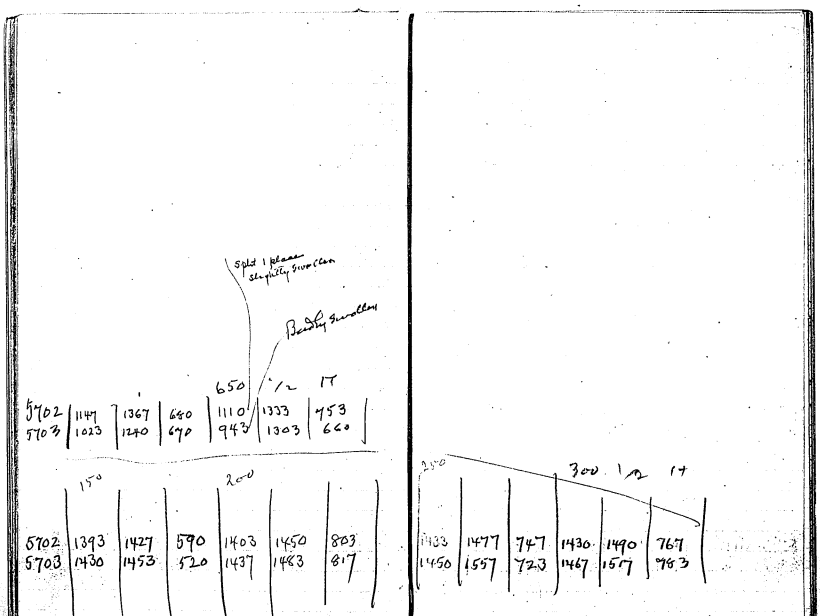

1431 Req
7740
7759
5674
5675
1233
1223
1432
7763
7747
5676
5677
1213
1200
Gel dilution 628 12% $Pb(OH)_3$
7534
7505
5678
5679
1367
1360
From 5680 on all cells have flat bottoms in lieu 15/1000 clock -
1433 Req
7574
7588
5680
5681
1143
1177
1434 Req
7653
7683
5682
5683
1200
1217
1435 Req
7672
7607
5684
5685
1200
1160
1436 Req
7575
7667
5686
5687
1180
1160
1307
1290
1317
1297
423
403
1300
1260
1313
1267
440
443
1727
1693
1807
1810
980
940
1783
1793
1907
1917
1177
1133
1235
1260
1243
1267
417
457
1287
1317
1313
1330
450
460
1260
1263
1290
1267
440
443
1300
1290
1317
1317
407
450

5678	1727	1880	1117	1623	1810	1130
5679	1643	1821	1003	1597	1830	1143

1493	1630	1290	1373	1453	1133
1400	1547	1190	1380	1490	1147

1437 Req	7451 7451	5688 5689	1193 1193
1438 Req	7515 7461	5690 5691	1167 1217
1439 Req	7506 7470	5692 5693	1200 1187
1440 Req	7517 7424	5694 5695	1200 1197
1441 Req	7630 7620	5696 5697	1177 1193
RQ 1256 - Ex	7626 7553	5698 5699	1187 1200
1442 Req	7645 7595	5700 5701	1180 1170
Golden Bantam 30 x 95 - Dry In Sat dry Matt, Rolls, dried in steam Cupb 80-85 Cent. Ground 1/8 diam 300 at	7869 7869	5702 5703	1200 1228

1260 1263	1290 1283	423 410				
1283 1300	1287 1317	450 447				
1300 1317	1317 1330	447 480				
1297 1263	1323 1283	440 423				
1250 1263	1263 1303	393 430				
1263 1290	1300 1300	400 457				
1263 1250	1267 1257	457 400				
1363 1343	1323 1357	300 387	1377 1423	1393 1443	470 473	


split 1 phase
simplify snowflake
Bentley snowflake
650
1/2
1T
5702 1147 1367 680 1110 1333 753
5703 1023 1240 670 943 1303 660
150
200
5702 1393 1427 590 1403 1450 803
5703 1430 1453 520 1437 1483 817
250
300 1/2 1T
1433 1477 747 1430 1490 767
1450 1557 723 1467 1517 783

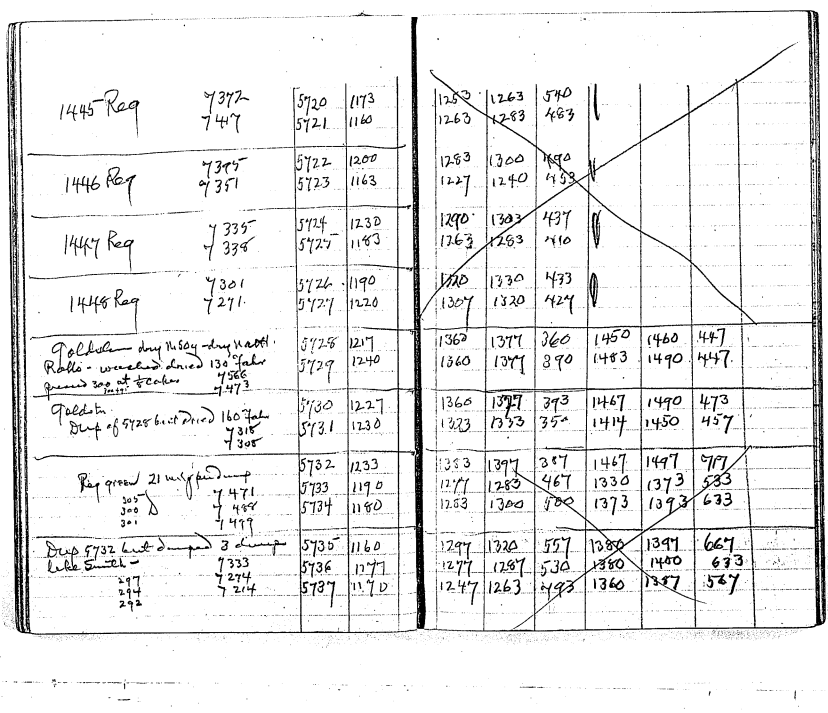
	760	5 Swallow split 2 places		
5702	560	1113	613	
5703	753	533	560	

	950			400			
5702	1330	1437	693	1347	1493	713	
5707	1460	1530	697	1497	1597	810	

				580			580		
5702	1460	1430	693	1347	1533	787	1220	1497	727
5707	1400	1477	758	1333	1570	743	1197	1417	673

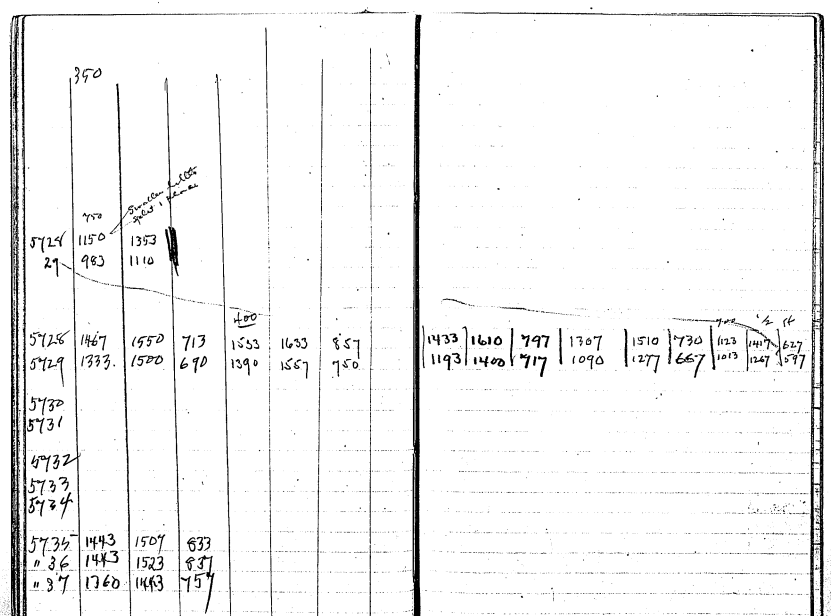
1421 Expt.	7237	5704	1233	1323	1330	507	
	7296	5705	1197	1257	1303	463	
1422 Expt	7059	5706	1227	1347	1360	560	
	6976	5707	1197	1300	1327	543	
1423 Expt	7140	5708	1260	1327	1330	467	
	7110	5709	1243	1367	1383	520	
1424 Expt	7037	5710	1243	1333	1360	470	
	7121	5711	1237	1320	1330	420	
1425 Expt -	7168	5712	1274	1367	1383	473	
	7215	5713	1267	1333	1760	460	
1443 Reg	7515	5714	1150	1213	1230	447	
	7457	5715	1157	1217	1230	437	
1444 - Reg	7485	5716	1217	1257	1267	427	
	7537	5717	1197	1224	1240	460	
59 flake	7253	5718	1197	1247	1257	457	
	7181	5719	1197	1200	1210	413	

23.7 4.1



	150		200			
5728	1443	1467	460	1447	1490	790
5729	1483	1527	447	1483	1530	787
5730	1457	1503	433	1437	1483	700
5731	1430	1467	417	1397	1453	633
5732	1517	1590	697	1490	1547	823
5733	1350	1390	560	1333	1373	660
5734	1423	1467	643	1370	1447	697
5735	1467	1517	667	1443	1493	737
5736	1443	1483	627	1427	1477	677
5737	1370	1420	573	1340	1440	653

	250			300			
	1457	1500	975	1480	1540	793	
	1427	1520	710	1400	1510	753	
				Dried 132			
	1350	1440	600	1273	1397	643	
	1253	1367	523	1193	1323	554	Malt
					Dried 160		80 or 160
	1350	1443	717	1257	1293	663	
	1247	1327	567	1200	1240	557	
	1327	1400	660	1240	1297	653	
	1380	1447	713	1397	1460	770	
	1373	1457	757	1423	1477	820	
	1273	1367	697	1333	1400	813	


350
5724
29
5726
5729
5730
5731
5732
5733
5734
5736
" 36
" 37
1150
1383
983
1110
1467
1550
713
1333.
1500
690
1443
1507
633
1443
1523
857
1760
1443
754
1400
1553
1633
857
1390
1567
750
1433
1610
797
1307
1510
730
1123
1417
627
1193
1400
717
1090
1277
667
1013
1247
597

				50	½	H	100	½	H
Drop 5732 bait 23 mile/green		5738	1193	1263	1277	453	1360	1380	573
277	7437	5739	1200	1307	1320	490	1380	1390	550
278	7479	5740	1193	1300	1320	460	1360	1390	567
276	7423								
Drop 5738		5741	1150	1250	1263	457	1327	1360	580
Except 3 dump Lake Smith		5742	1163	1267	1284	447	1323	1333	560
268	7174	5743	1213	1277	1293	420	1333	1373	533
270	7129								
269	7214								
25.1 green dump		5744	1213	1307	1320	457	1333	1380	500
254	7418	5745	1213	1280	1293	433	1360	1323	480
251	7395	5746	1197	1260	1280	460	1330	1353	533
249	7378								
Drop 5744		5747	1167	1250	1260	493	1333	1367	563
Except 3 dump Lake Smith		5748	1180	1280	1297	463	1330	1366	547
245	7129	5749	1171	1293	1287	533	1367	1393	587
246	7130								
244	7160								
		5750	1197	1320	1327	450	1407	1450	500
24 mile/Emerald	7386	5751	1200	1300	1307	493	1383	1400	563
235	7308	5752	1217	1323	1333	490	1397	1417	563
238	7330								
237									
Drop 5750		5753	1163	1280	1293	557	1360	1383	610
Except 3 dump Mountain/Lake Smith		5754	1163	1253	1267	503	1327	1393	573
233	7106	5755	1163	1253	1267	470	1297	1323	523
236	7127								
234	7160								
28.7 green	7271	5756	6208	1323	1330	483	1357	1363	460
223	7283	5757	1200	1327	1340	557	1363	1397	513
224	7288	5758	1202	1350	1360	543	1363	1397	512

5738	1347	1423	567	1320	1397	637
5739	1370	1437	590	1327	1407	627
5740	1373	1433	593	1343	1407	623
5741	1350	1397	617	1350	1423	657
5742	1350	1410	580	1290	1380	610
5743	1360	1413	617	1307	1373	557
5744	1330	1387	540	1273	1343	570
5745	1313	1363	510	1227	1287	493
5746	1353	1423	557	1240	1300	477
5747	1453	1550	630	1360	1433	607
5748	1373	1433	610	1343	1397	623
5749	1477	1487	657	1413	1463	747
5750	1460	1500	623	1350	1407	530
5751	1447	1493	633	1363	1440	627
5752	1427	1483	613	1320	1407	623
5753	1417	1450	597	1353	1417	663
5754	1387	1440	600	1350	1420	710
5755	1317	1367	470	1253	1360	683
5756	1303	1373	487	1213	1297	587
5757	1333	1427	553	1267	1393	737
5758	1363	1423	580	1323	1413	747

200

1257	1357	700	1347	1423	833	
1267	1390	720	1250	1353	513	
1243	1337	703	1280	1380	887	
1280	1387	773	1297	1390	900	
1203	1320	720	1250	1347	816	
1213	1307	647	1217	1320	787	
1183	1277	640	1197	1300	737	
1150	1250	583	1160	1263	637	
1143	1230	597	1133	1217	613	
1293	1390	740	1307	1410	750	
1277	1357	753	1233	1353	750	
1383	1450	837	1397	1463	827	
			300			
1407	1443	863	1273	1383	553	
1423	1473	800	1327	1440	640	
1360	1423	913	1303	1423	690	
1393	1433	740	1397	1457	726	
1377	1427	727	1383	1453	730	
1277	1347	650	1200	1323	653	
1173	1240	547	1110	1243	607	
1303	1413	703	1217	1370	750	
1300	1377	823	1277	1480	717	

	340		
5735	1327	1437	730
39	1333	1429	727
40	1333	1450	727
5741	1303	1427	723
42	1213	1353	693
43	1180	1303	670
5744	1177	1267	777
45	1140	1260	703
46	1160	1257	720
5747	1257	1383	813
48	1247	1360	807
49	1430	1503	914
5750	1253	1370	773
51	1230	1390	743
52	1157	1300	733
5753	1283	1413	737
54	1257	1380	743
55	1180	1290	733
56	1027	1133	593
57	1093	1220	690
58	1140	1293	700

Dup 5756 –		5759	1133	1300	1310	600	1330	1347	507
3 clumps to lamp	7043	5760	1157	1300	1313	613	1323	1333	467
220	7000	5761	1157	1293	1303	600	1323	1333	467
219	7017								
221									
31 July grass		5762	1163	1307	1317	567	1293	1327	443
203 –	7200	5763	1177	1323	1330	533	1297	1317	457
207	7160	5764	1157	1323	1330	497	1287	1287	400
207	7168								
Dup 5762		5765 –	1133	1253	1267	533	1317	1353	623
3 clumps Lola Smith	6937 –	5766	1133	1267	1283	536	1327	1343	590
201	6975	5767	1133	1267	1277	477	1357	1377	737
201	7016								
204									
		5768	1167	1290	1340	693	1377	1390	780
33 July	7165 –	5769	1147	1287	1297	610	1343	1360	657
194	7165 –	5770	1167	1283	1293	583	1390	1410	690
193	7167								
197									
Dup 5768		5771	1133	1267	1277	553	1327	1347	576
3 clumps Lola Smith	6985 –	5772	1133	1267	1280	513	1377	1397	653
191	6913	5773	1133	1247	1263	470	1360	1380	647
189	6980								
197									
	7330	5774 –	1223	1383	1387	483			
1449 Rag	7336	5775	1217	1314	1347	537			
	7369	5776	1243	1340	1343	660			
1454 Rag	7303 –	5777	1240	1327	1343	663			

Average of all - 21 mile to 33 w/o for rail dump 1293 up
4 to Smith dump 1325
200 200 Return

5759	1353	1413	587	1310	1387	697
5760	1343	1427	573	1233	1460	657
5761	1373	1437	607	1283	1397	647
5762	1310	1371	583	1207	1307	573
5763	1367	1377	583	1187	1280	603
5764	1271	1347	547	1157	1240	537
5765	1317	1373	603	1240	1353	590
5766	1327	1367	337	1300	1387	623
5767	1380	1427	657	1393	1467	743
5768	1383	1438	637	1283	1403	720
5769	1330	1387	547	1260	1340	733
5770	1353	1423	457	1306	1402	763
5771	1247	1297	367	1233	1317	723
5772	1357	1397	667	1293	1367	723
5773	1313	1383	650	1243	1350	717
5774						
5775						
5776						
5777						

average loading wt of all cars
7325 average of 3 dump 7090

1283	1373	670	1297	1397	673	
1233	1340	653	1133	1307	650	
1267	1377	677	1210	1350	713	
1193	1297	613	1190	1330	730	
1073	1223	647	1053	1183	717	
1100	1200	603	1077	1213	730	
1200	1350	687	1160	1340	820	
1107	1177	623	1313	1413	743	
1373	1450	703	1243	1417	847	
1277	1383	683	1183	1327	763	
1257	1323	643	1163	1287	700	
1267	1283	667	1243	1377	763	
1147	1257	583	1133	1253	707	
1253	1353	660	1253	1370	790	
1237	1343	693	1267	1397	780	

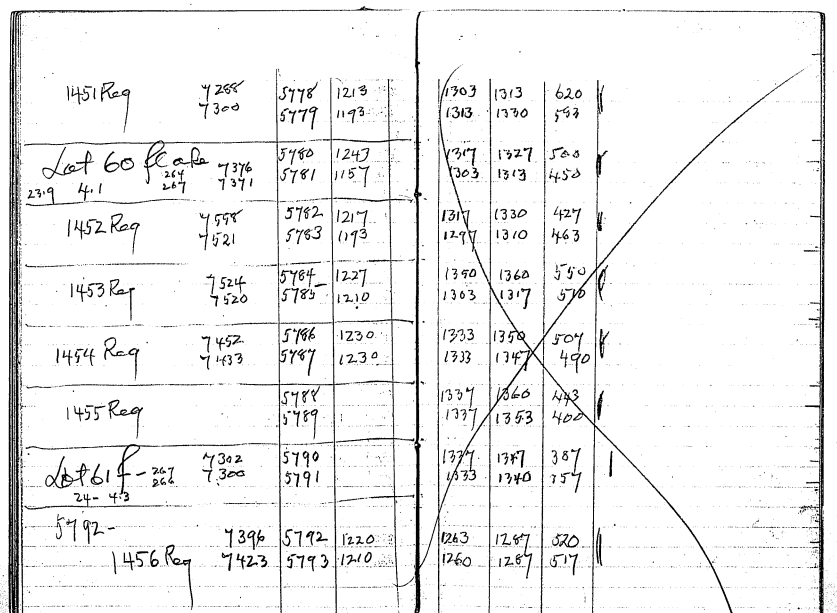
5759	1160	1213	710
60	1020	1190	693
61	1107	1283	743
5762	997	1127	677
63	943	1180	707
64	963	1117	683
5765	1047	1223	763
66	1157	1227	730
67	1180	1370	767
5768	993	1180	677
69	950	1113	620
70	997	1187	700
5771	980	1110	620
2	1133	1307	707
3	1077	1297	730
5774			
75			
5776			
77			

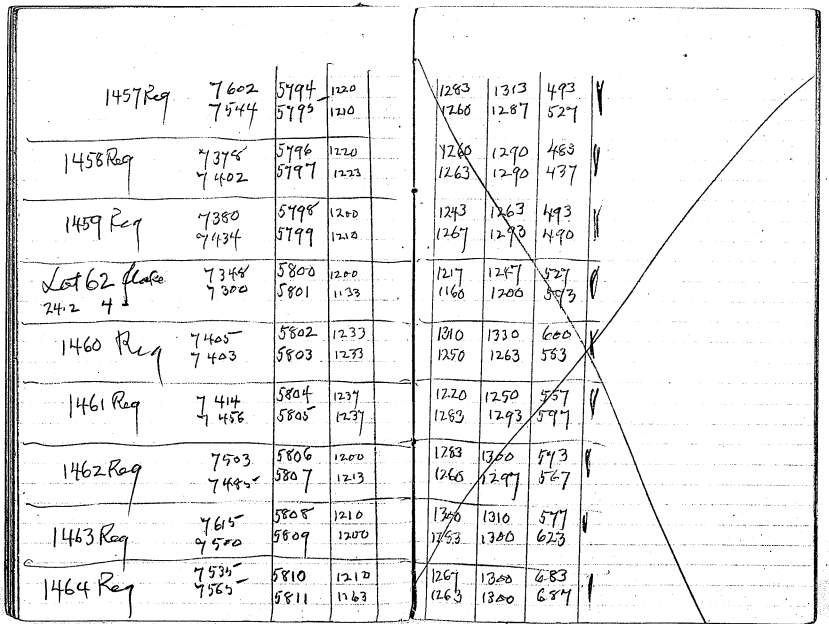
600

973	997	650			
1230	1397	767			
1043	1257	683			

450

890	1080	660	843	1037	683
1100	1280	797	907	1060	750
907	1110	754	753	867	677


1451 Req
7288
7300
5778
5779
1213
1193
1303 1313 620
1313 1330 593
Lot 60 Peake
2319 4.1
264
267
7376
7371
5780
5781
1243
1157
1317 1327 580
1303 1313 450
1452 Req
7498
7521
5782
5783
1217
1173
1317 1330 427
1297 1310 463
1453 Req
7524
7520
5784
5785
1227
1210
1350 1360 550
1303 1317 570
1454 Req
7452
7433
5786
5787
1230
1230
1333 1350 504
1333 1347 490
1455 Req
5788
5789
1337 1360 443
1337 1353 400
Lot 61
24-43
267
262
7302
7300
5790
5791
1337 1347 387
1333 1340 754
5792-
1456 Req
7396
7423
5792
5793
1220
1210
1263 1287 520
1260 1284 517


1457 Reg
7602
7544
5794
5795
1220
1210
1283
1260
1313
1287
493
527
1458 Reg
7375
7402
5796
5797
1220
1223
1260
1263
1290
1290
483
437
1459 Reg
7380
7434
5798
5799
1200
1210
1243
1267
1263
1293
493
490
Lot 62 Blake
242 4
7348
7300
5800
5801
1200
1133
1217
1160
1257
1200
527
503
1460 Reg
7405
7403
5802
5803
1233
1233
1310
1250
1330
1263
600
583
1461 Reg
7414
7456
5804
5805
1237
1237
1220
1263
1250
1293
567
597
1462 Reg
7503
7445
5806
5807
1200
1213
1283
1265
1360
1297
573
567
1463 Reg
7615
7500
5808
5809
1210
1200
1340
1283
1310
1300
577
623
1464 Reg
7535
7565
5810
5811
1217
1163
1267
1263
1280
1300
683
684

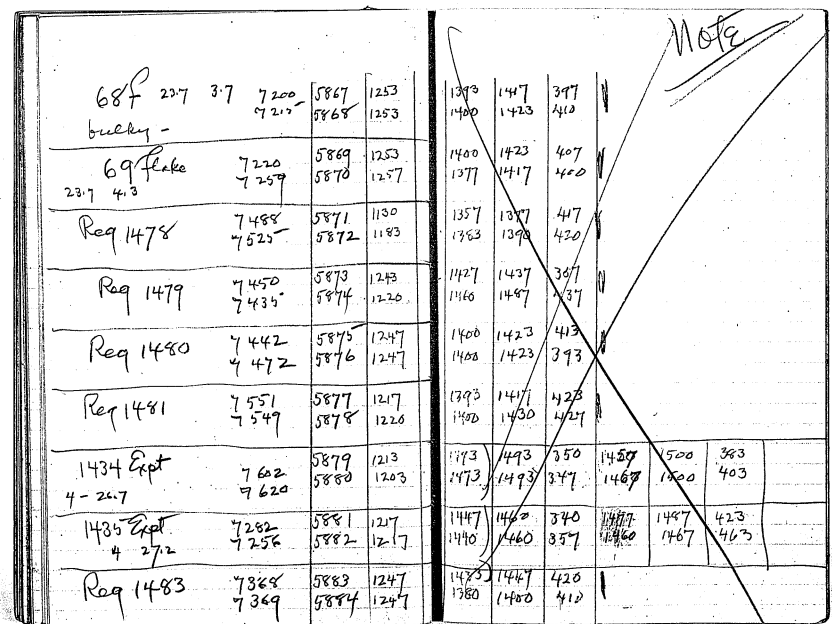
1465 Reg	7485 7415	5812 5813	1200 1200	1283 1280	1300 1297	630 590				
1466 Reg	7564 7492	5814 5815	1250 1217	1287 1257	1327 1323	570 513				
Oplosm 821 12½% Bismuth Run 3 Lines conn in 21K 3 runs diff. then change to plasm 21K no Li	7605 7630 7604	5816 5817 5818	1317 1363 1340	1473 1580 1547	1477 1587 1553	603 690 680	1437 1467 1478	1467 1477 1453	490 480 517	
Dep 5816 Run 3 Lines 21K 4 Li then change to plasm 21K	7630 7620 7664	5819 5820 5821	1367 1343 1343	1540 1527 1487	1543 1537 1493	660 646 617	1450 1450 1393	1527 1490 1440	543 547 507	
Dep 5816 But 3 Lines in 21K 6 Li change to plasm 21K		5822 5823 5824	1367 1340 1373	1467 1477 1520	1520 1487 1530	637 643 647	1413 1493 1433	1450 1500 1450	570 603 527	
Dep 5816 - Run in 21K 6 Li 3 lines then Empty and solution input plasm 21K sonkance input then Empty out input in 21K no Li		5825 5826 5827	1387 1353 1360	1453 1430 1457	1460 1437 1463	517 497 497	1360 1390 1423	1373 1413 1443	513 503 520	
Lot 63 flake Z4-4 1467 Reg	7303 7238 7423 7383	5828 5829 5830 5831	1227 1207 1210 (1200)	1313 1287 1293 1257	1330 1303 1300 1267	473 503 517 597				

5816	1370	1473	540				
5817	1480	1500	550				
5818	1373	1483	513				
5819	1447	1507	517				
5820	1460	1480	563				
5821	1477	1510	493				
5822	1370	1487	543				
5823	1467	1490	560				
5824	1373	1403	510				
5825	1383	1500	513	1230	1250	487	
5826	1417	1487	503	1263	1283	477	
5827	1420	1450	573	1280	1300	507	
5828							
5829							

64 flake 24.2 4.5	7310 7302	5832 5833	1190 1193	1277 1247	1287 1340	397 427	
65f 24. 4.5	7307 7307	5834 5835	1187 1217	1293 1313	1307 1327	417 420	
66f 24 4.3	7307 7366	5836 5837	1183 1210	1280 1280	1300 1287	440 427	
Req 1468	7412 7422	5838 5839	1180 1187	1247 1280	1257 1287	417 453	
Req 1469	7393 7350	5840 5841	1217 1180	1280 1257	1293 1270	407 407	
Req 1470	7370 7383	5842 5843	1183 1197	1260 1287	1263 1300	383 383	
Req 1471	7337 7318	5844 5845	1177 1140	1263 1283	1270 1297	387 390	
Req 1472	7408 7409	5846 5847	1227 1233	1313 1300	1327 1317	443 413	
Req 1473	7274 7308	5848 5849	1187 1190	1267 1260	1283 1267	430 423	

Req 1474	7281 7270	5850 5851	1187 1190	1253 1250	1260 1260	400 413					
Req 1475	7235 7245	5852 5853	1133 1133	1253 1250	1260 1260	400 413					
Req 1476	7452 7468	5854 5855	1233 1227	1330 1303	1347 1320	413 443					
Req 1477	7449 7463	5856 5857	1190 1193	1283 1293	1300 1307	440 477					
Reqm (1256) 27-4- Rem 3 Cwns dump 24 gpm clean 4 ft + lamp put - Cwns 7/2 Lilley Cogwell	6985 8476	5858 5859	1190 1197	1260 1320	1283 1330	680 443	1267 1320	1303 1367	493 750		
Qeldalam 621 12¼ B1, 27-4- Rem 3 Cwns 21K2 4 in 1/2 Colin Cwns	7585 7577	5860 5861	1293 1267	1687 1607	1747 1730	850 920	1480 1377	1887 1877	760 710		
Qeldalam 621 12 5/8 Rimmell 4.27 Sanded 24 thaw Cwns 2 dumps pumped out pumping put on 21K2 21-	7558	5862 5863	1330 1310	1637 1543	1600 1587	920 1067	1583 1587	1773 1643	1077 980		
thawings 16 21K2 4 lamps up on 24	7580 7621	5864	1313	1547	1560	1077	1543	1587	1170		
67 flasks - 24.46		5865 5866	1177 1173	1263 1303	1300 1320	550 597					

5855	1287	1320	633			
5859	1317	1350	577			
5860	1720	1788	—			
5861	1700	1740	—			
5862	1520	1683	1050	1457	1720	1187
5863	1530	1583	1027	1500	1690	1207
5864	1497	1540	1033	1400	1627	1247



68f 23.7 3.7	7200	5867	1253	1393	1447	397				
bucky -	7215	5868	1253	1400	1423	410				
69 flake	7220	5869	1253	1400	1423	407				
23.7 4.3	7259	5870	1257	1377	1417	400				
Reg 1478	7488	5871	1130	1357	1387	417				
	7525	5872	1183	1363	1393	430				
Reg 1479	7450	5873	1243	1427	1437	397				
	7435	5874	1220	1446	1487	437				
Reg 1480	7442	5875	1247	1400	1423	413				
	7472	5876	1247	1408	1423	393				
Reg 1481	7551	5877	1217	1393	1417	423				
	7549	5878	1226	1400	1430	427				
1434 Expt	7602	5879	1213	1473	1493	350	1450	1500	383	
4-26.7	7620	5880	1203	1473	1493	347	1467	1500	403	
1435 Expt	7282	5881	1217	1447	1460	340	1477	1487	423	
4 27.2	7258	5882	1217	1440	1460	357	1460	1467	463	
Reg 1483	7368	5883	1247	1473	1447	420				
	7369	5884	1247	1380	1400	410				

5879	1443	1463	1423	1410	1460	547
5880	1460	1450	1430	1450	1490	583
5881	1463	1483	1420	1450	1483	577
5882	1440	1457	893	1457	1483	620

1357	1373	683	1190	1253	697	
1450	1477	690	1257	1327	770	
1457	1477	690	1283	1353	777	
1430	1490	687	1300	1363	790	

Req 1484	7296 7285	5885 5886	1247 1247
Req 1485	7350 7397	5887 5888	1250 1250
Req 1486	7470 7428	5889 5890	1250 1197
70f		5891 5892	1250 1263
Req 1482	7405 7397	5893 5894	1167 1177
Req 1487	7370 7380	5895 5896	1263 1257
Req 1488	7485 7460	5897 5898	1207 1197
Req 1489	7553 7516	5899 5900	1170 1167

1400 1390	1430 1400	420 423
1360 1373	1380 1387	460 453
1357 1333	1373 1353	473 500
1417 1400	1433 1413	597 573
1333 1326	1350 1353	447 610
1377 1393	1400 1433	653 727
1377 1357	1387 1373	667 682
1357 1343	1373 1320	700 713

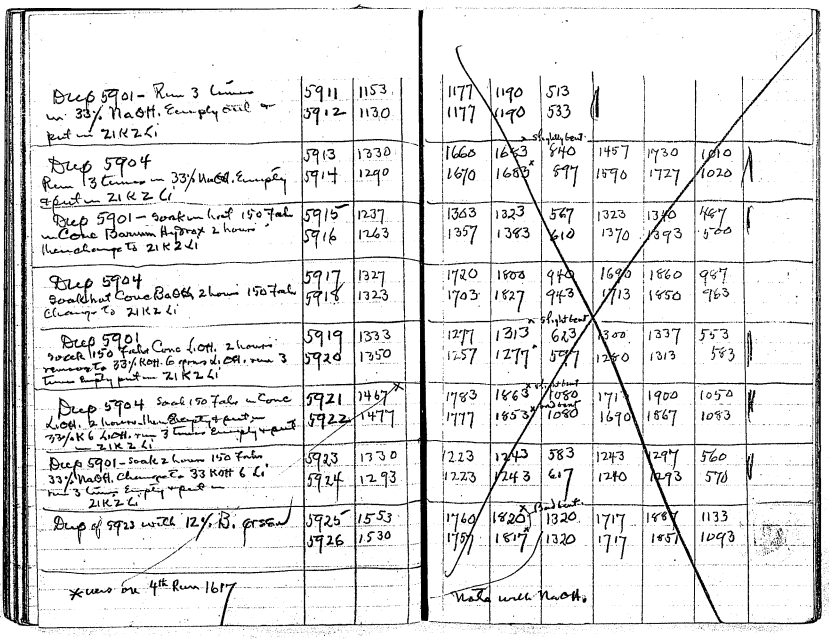
				50	1/2	#	100	1/2	#
Long Tubes-Hadley Smith	9			1833	1846	629	1938	1971	675
	10			1838	1850	727	1883	1917	700
	11			1858	1875	917	1975	2060	721
	12			1825	1833	750	1946	1971	763
	13			1800	1808	650	1917	1971	704
	14			1860	1808	625	1938	1975	679
	15			1854	1867	704	2025	2050	725
	16			1825	1833	583	1983	2033	633
Reg 311 - 41/2-4 - 2418 stock in bot Solution 3 hours at about 130 Fah 21K Saturated Soln. with Excess of Crystals; change after Speaking 3 hours to 21K 6 oz Soln, many put in at 2:00 - 3 Runs Then change salts to 21K 24 + Run Reg Hot	5901	1297		1387	1397	627	1347	1427	773
	5902	1283		1347	1363	583	1387	1413	733
	5903	1300		1383	1397	623	1407	1440	807
Dup 5901 Except 621 12/1/1. Bisque	5904	1427		1733	1873	930	1597	1853	1077
7 505	5905	1423		1690	1870	943	1543	1867	1003
7 543	5906	1393		1883	1873	890	1573	1880	1043
7 543									
Dup 5901 - Except run w 33 KOH. 3 tubes Empty + put in 21K 24 Run Reg	5907	1180		1280	1310	447	1533	1343	517
	5908	1187		1313	1327	497	1340	1377	533
Dup 5904 Run reg 3 runs w 33 KOH Empty + put in 21K 24	5909	1443		1787 x	1849	900	1710	1890	1087
	5910	1493		1780 x	1883	947	1657	1883	1007

Very bad bent

	150			200		
9	1958	1996	583	1863	1963	908
10	1938	1963	623	1833	1942	925
11	1954	2000	633	1908	2017	967
12	1942	1967	640	1863	1983	917
13	1942	1971	650	1888	1983	888
14	1925	1950	617	1942	1950	842
15	2000	2033	647	1888	2025	892
16	1958	1996	667	1833	1963	871
5909	1630	1847	1093	Burst		
5910	1600	1823	1083	Burst xplan		

	250			300		
1771	1883	1040	1625	1779	913	
1779	1879	1045	1654	1867	821	
1863	1971	1120	1696	1996	885	
1821	1933	1040	1708	1913	842	
1896	1958	1060	1829	1975	896	
1854	1929	990	1746	1921	900	
1863	1967	995	1771	1946	925	
1829	1950	985	1750	1950	942	

		350		
9	1542	1696	908	
10	1617	1828	913	
11	1492	1721	1029	
12	1467	1762	979	
13	1721	1867	1058	
14	1592	1779	1017	
15	1558	1767	1042	
16	1575	1829	1013	



Dscp 5901 – Rum 3 times w 33% NaOH. Empty cell & put in 21K2Li
5911 1153
5912 1130
1177 1190 513
1177 1190 533

Dscp 5904
Rum 3 times w 33% NaOH. Empty & put in 21K2Li
5913 1330
5914 1290
1660 1653 640 1457 1730 1010
1670 1685 597 1590 1727 1020

Dscp 5901 – soak w/w/ 150 Tab w Conc Boron Hydroxy 2 hours then change to 21K2Li
5915 1237
5916 1263
1363 1323 567 1323 1340 467
1357 1383 610 1370 1393 560

Dscp 5904
Soak/shut Conc NaOH 2 hours 150 Tab
Change to 21K2Li
5917 1327
5918 1323
1720 1808 940 1690 1860 987
1703 1827 943 1713 1850 963

Dscp 5901
Soak 150 Tab Conc NaOH 2 hours
remove to 33% KOH. 6 grns Li, OH, rum 3 times empty put in 21K2Li
5919 1333
5920 1350
1277 1313 623 1300 1337 553
1257 1279 597 1260 1313 583

Dscp 5904 Soak 150 Tab w Conc NaOH. 2 hours then empty & put in 33% K6 NaOH. rum 3 times empty & put in 21K2Li
5921 1467
5922 1477
1783 1863 1080 1715 1900 1050
1777 1853 1080 1690 1867 1083

Dscp 5901 – Soak 2 hours 150 Tab 33% NaOH. Change to 33 KOH 6 Li rum 3 times empty & put in 21K2Li
5923 1330
5924 1293
1223 1243 583 1243 1297 560
1223 1243 617 1240 1293 570

Dscp of 5923 with 12% B. grain
5925 1553
5926 1530
1740 1820 1320 1717 1887 1133
1787 1817 1320 1717 1857 1093

Made with NaOH.

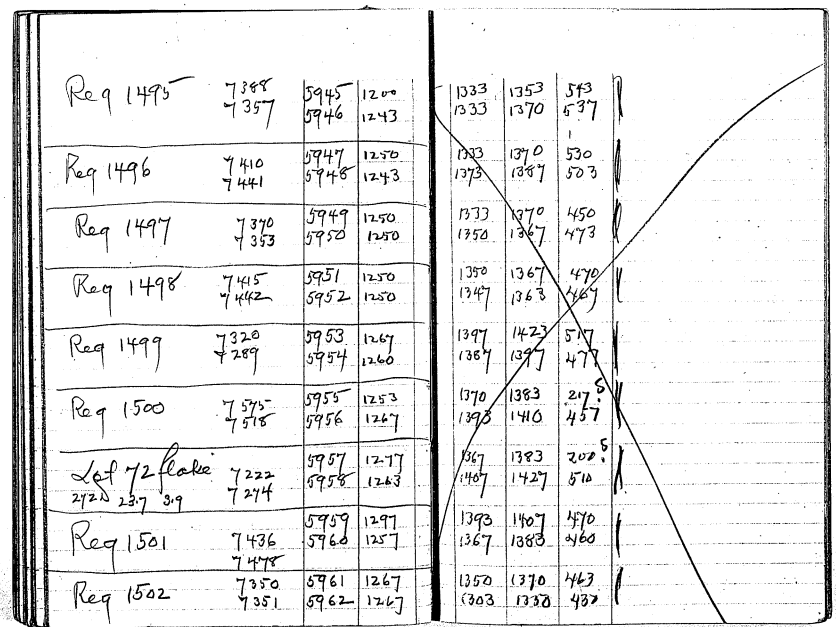
*rum on 4th Rum 1617

5917	1600	1510	1067	Bent burnt 1 place
5918	1550	1673	1070	Burnt 1 "
5925	1633	1787	960	Bad bent burnt 11
5926	1603	1758	1177	Burnt 1 place

Dup 5901 Except run 3 times on 21K 6 Li + 3 gms Chlorate K		5927 5928	1330 1330		1333 1380	1360 1390	690 723	1380 1397	1440 1433	620 617	
Dup of 5927 but Burrell 12%		5929 5930	1467 1443		1743 1723	1821 1640	1023 850	1660 1543	1880 1690	1040 1023	
Dup 5901 - Run 3 times on 21K 6 Li + 3 perchlorate K		5931 5932	1267 1293		1373 1333	1367 1357	790 800	1400 1380	1433 1417	667 660	
Dup of 5931 But Burrell 12%		5933 5934			1287 1290	1310 1313	703 657	1300 1250	1330 1277	580 577	
Req 1490	7536 7547	5935 5936	1227 1227		1360 1357	1383 1380	520 503				
Req 1491	7494 7509	5937 5938	1267 1227		1393 1363	1407 1383	550 583				
Req 1492	7535 7470	5939 5940	1207 1223		1393 1383	1407 1400	523 503				
Req 1493	7495 7436	5941 5942	1283 1277		1393 1388	1407 1393	467 450				
Req 1494	7375 7325	5943 5944	1183 1227		1367 1350	1383 1367	500 524				

Make low for Bi — KClO4

5927	1370	1430	690	N
5928	1383	1433	633	
5931	1383	1443	647	
5932	1373	1427	650	

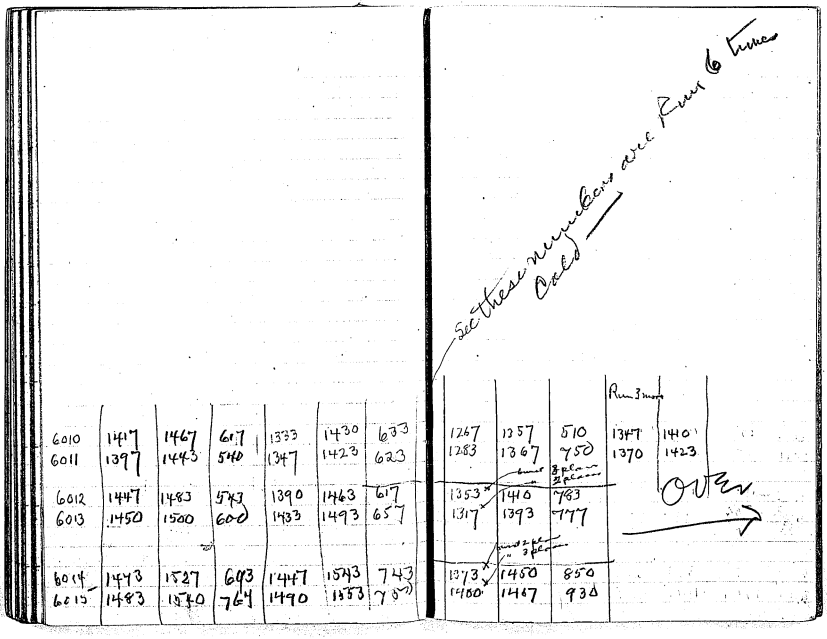


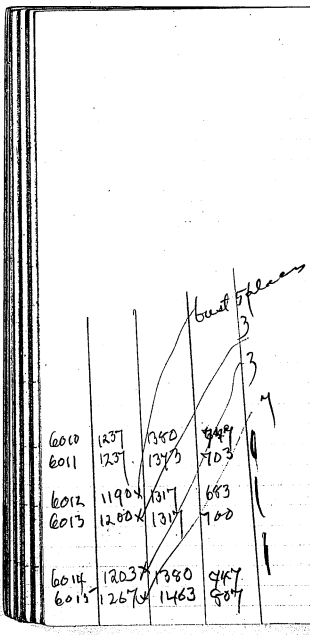
Req 1495	7388	5945	1200	1333	1353	543	
	7357	5946	1243	1333	1370	537	
Req 1496	7410	5947	1250	1333	1370	530	
	7441	5948	1243	1373	1387	503	
Req 1497	7370	5949	1250	1333	1370	450	
	7353	5950	1250	1350	1367	473	
Req 1498	7415	5951	1250	1350	1367	470	
	7442	5952	1250	1347	1363	467	
Req 1499	7320	5953	1267	1397	1423	517	
	7289	5954	1260	1384	1397	477	
Req 1500	7575	5955	1253	1370	1383	217.5	
	7518	5956	1267	1393	1410	457	
Lot 72 flake	7222	5957	1277	1367	1383	200.5	
272N 23.7 3.9	7244	5958	1263	1407	1427	510	
Req 1501	7436	5959	1297	1393	1407	470	
	7478	5960	1257	1367	1388	460	
Req 1502	7350	5961	1267	1350	1370	463	
	7351	5962	1267	1303	1338	437	

Req 1503	7393	5963	1263	1370	1357	450	
	7408	5964	1230	1333	1360	480	
Req 1504	7394	5965	1263	1360	1377	467	
	7376	5966	1257	1287	1327	457	
Req 1505	7288	5967	1260	1367	1383	524	
	7280	5968	1267	1367	1383	564	
Req 1506	7442	5969	1233	1333	1357	583	
	7436	5970	1233	1347	1357	570	
Req 1507	7453	5971	1260	1373	1387	543	
	7438	5972	1233	1353	1367	563	
Req 1508	7570	5973	1233	1297	1347	527	
	7534	5974	1200	1290	1320	543	
Req 1509	7466	5975	1283	1333	1360	530	
	7405	5976	1263	1293	1317	533	
Req 1510	7500	5977	1200	1427	1447	460	
	7497	5978	1247	1417	1447	373	
Req 1511	7282	5979	1223	1417	1437	483	
	7215	5980	1200	1360	1390	460	

Lot 43 f 269 N 23.5 3.9	7253 7280	5981 5982	1233 1250	1400 1400	1423 1423	577 640	
Reg 1512	7340 7350	5983 5984	1200 1200	1353 1333	1390 1390	577 640	
Reg 1513	7370 7329	5985 5986	1200 1183	1390 1357	1423 1393	610 553	
Lot 44 f 269 N 23.7 4.	7123 7170	5987 5988	1217 1217	1370 1400	1400 1423	590 593	
Lot 74 f - 2nd sample. 268 N 23.7 4.3	7231 7200	5989 5990	1193 1193	1360 1343	1390 1387	600 607	
Lot 75 f 268 N 23.7 4.5	7265 7262	5991 5992	1193 1193	1347 1357	1390 1393	517 560	
Reg 1514	7294 7241	5993 5994	1133 1133	1297 1293	1333 1323	410 404	
Reg 1515	7331 7345	5995 5996	1200 1247	1357 1390	1393 1433	390 448	
Reg 1516	7303 7272	5997 5998	1200 1193	1333 1393	1390 1433	443 493	

Req 1517	7243 7212	5999 6000	1253 1247	1350 1333	1387 1393	517 557			
Req 1518	7276 7287	6001 6002	1200 1200	1297 1293	1313 1300	430 470			
Req 1519	7318 7370	6003 6004	1240 1240	1283 1317	1300 1330	457 470			
2K3 Linden, 200 Hordeb 2 Zeyl, Lgm Nott, Twice — 21K2 Li		6005	800	890	907	693	883	903	
Req 1520	7351 7361	6006 6007	1153 1143	1280 1260	1293 1280	340 400			
Lot 76F 24.4.3 quite Somelimes	7345 7325	6008 6009	1213 1190	1290 1300	1297 1310	400 480			
Dep 5003-4A. 27.4.4- 21K2L. 27.N	7200 7153	6010 6011	1293 1317	1393 1368	1400 1377	443 407	1413 1400	1453 1433	497 477
Dep 5005-6- 27.N 27-4- 21K2L	7663 7633	6012 6013	1320 1313	1377 1393	1393 1410	390 400	1450 1470	1467 1460	497 490
Dep 5005-6 — Plus 3 Lines in 21K2 gm Lgt. Chess Empty in this reg in 21K2L		6014 6015	1350 1390	1397 1423	1443 1437	423 463	1467 1500	1497 1537	550 590


See these numbers were Run 6 times
Added
Run 3 times
3 pcs
2 pcs
3 pcs
OVER


burst flakes
3
3
6010 123 1350 949
6011 123 1343 703
6012 1190 1317 683
6013 1200 1317 700
6014 1203 1380 945
6015 1267 1463 804

Gabbatoir 634 — Wards Cattoid 24 D 27.1.4	7333 7242	6016 6017	1120 1117
Tube 1699 — old tube in fgm cant keff too long & used - drawing out to make wi - 5.840 Dup 1701 5820		6018 6019	~~467~~ 477
1521 Req 26 —	7350 7305	6020 6021	1187 1190
Req 1522	7346 7328	6022 6023	1220 1193
Req 1523	7446 7464	6024 6025	1230 1197
Req 1524 —	7504 7502	6026 6027	1227 1203
Req 1525 —	7470 7466	6028 6029	1243 1230
Req 1526 —	7460 7418	6030 6031	1180 1183

1787 1317	1313 1338	370 357	1397 1407	1413 1430	507 500
490	503	437			
503	533	473			
1290 1260	1317 1298	373 397			
1333 1317	1347 1357	407 403			
1317 1323	1357 1333	403 393			
1323 1317	1330 1357	373 363			
1330 1373	1353 1317	347 396			
1250 1290	1280 1317	298 440			

6016	1400	1440	660	1427	1473	637
6017	1420	1453	680	1450	1490	697

1380	1427	817	1363	1453	707
1380	1430	930	1310	1440	693

6016	350 1253	1390	700	400 1270	1480	770	split 1 place
6017	1190	1357	703	1150	1333	738	

1103	1359	690	1213	1397	617		split in one place; split 1 place
1058	1238	757	1063	1243	593		

Req 1527	7372 7342	6032 6033	1167 1170	1257 1280	1293 1293	383 423				
Req 1528	7322 7300	6034 6035	1210 1197	1257 1257	1287 1287	433 433				
Req 1530	7388 7369	6036 6037	1193 1180	1277 1290	1297 1317	440 520				
Gold alum 621 1½ Bi- 27 grm Rhm 3 Lmin 21K 6 gr di 4 39 grm 7500 Pzvalemeter R, 7517		6038 6039	1497 1447	1643 1640	1733 1693	1150 1153	1663 1693	1793 1840	1100 927	
Req 1529	7415 7350	6040 6041	1200 1200	1287 1317	1293 1327	453 467				
Req 1531	7345 7309	6042 6043	1207 1190	1263 1277	1283 1287	420 427				
Req 1532	7345 7299	6044 6045	1213 1193	1323 1267	1353 1298	383 407				
Req 1533	7340 7312	6046 6047	1200 1200	1307 1267	1313 1247	470 513				
Req 1534		6048 6049	1233 1217	1337 1308	1347 1323	393 403				

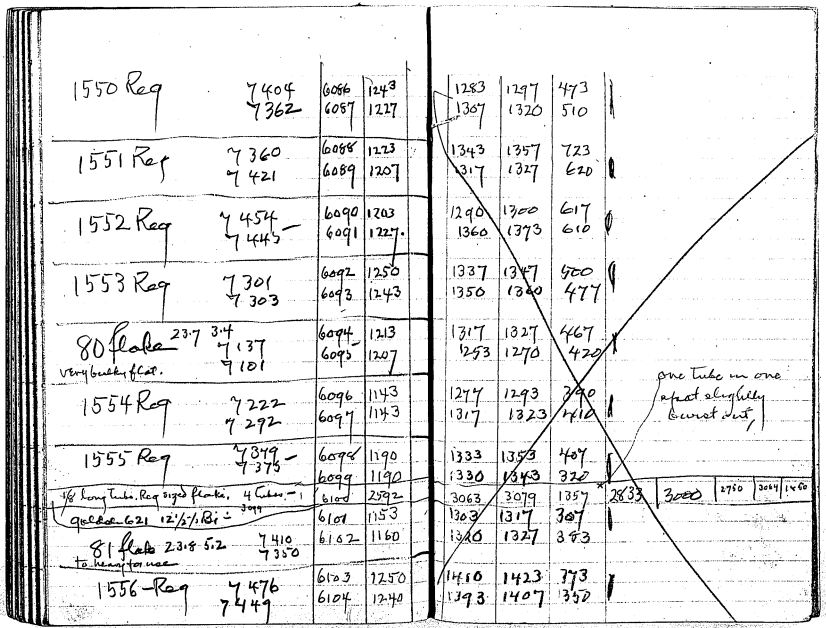
6038	1600	1700	1050
6039	1543	1840	907

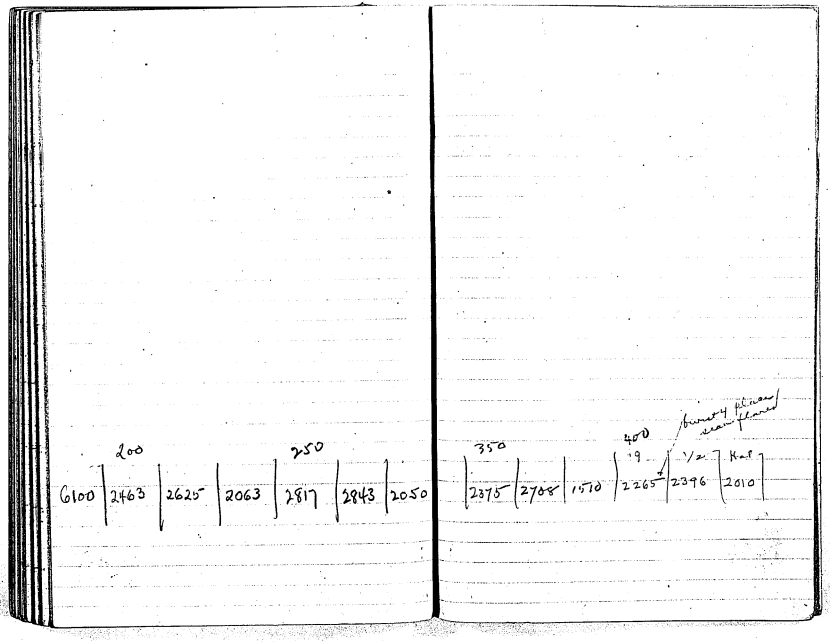
1535 Reg	7370 7370	6050 6051	1253 1243
1536 Reg	7306 7277	6052 6053	1230 1210
1537	7314 7284	6054 6055	1243 1247
77 flake · 241 4.4 263D Anita Zavaleta County	7255 7280	6056 6057	1200 1210
1538 Reg	7454 7476	6058 6059	1227 1227
1539 - Reg	7345 7300	6060 6061	1250 1253
1541 Reg	7362 7327	6062 6063	1243 1233
1542 Reg	7443 7440	6064 6065	1213 1200
Lot 78 flake 241 4.6 262D Zavaleta County	7440 7409	6066 6067	1150 1117

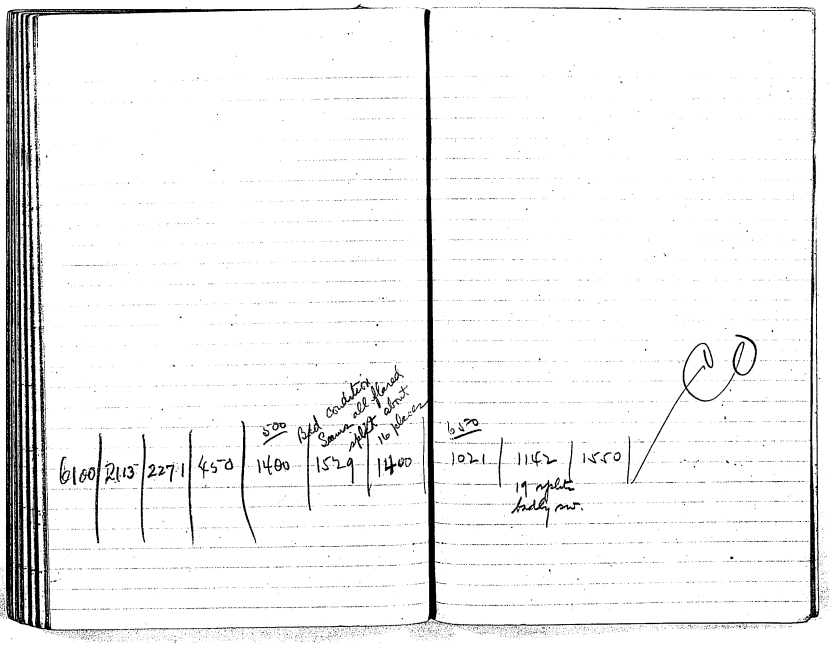
1343	1357	440
1330	1343	457
1327	1343	457
1317	1337	433
1300	1330	457
1290	1307	417
1297	1307	430
1330	1343	400
1303	1317	383
1327	1340	400
1316	1323	367
1330	1347	380
1307	1320	317
1317	1327	300
1300	1313	303
1298	1307	320
1253	1263	373
1250	1263	417

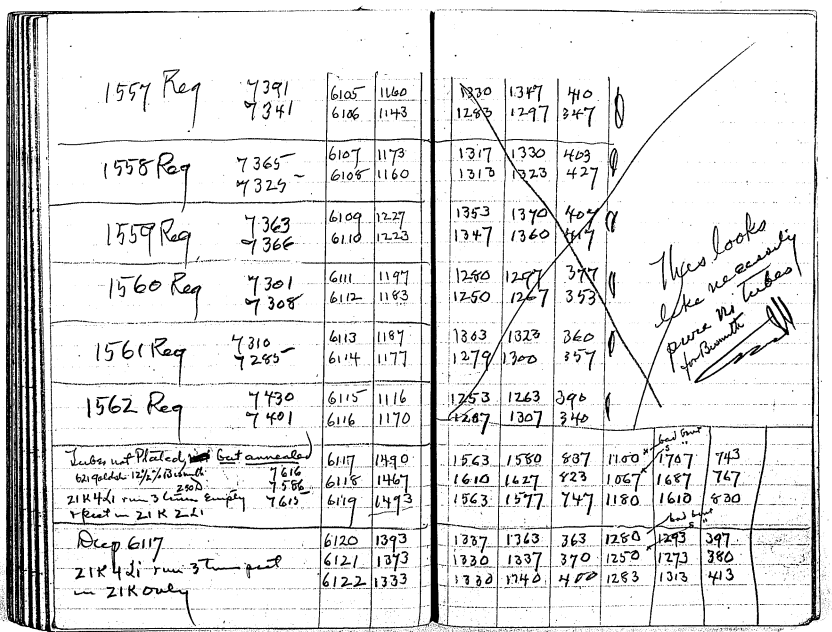
1540 Req	7264	6068	1217
	7291	6069	1210
1543 Req	7332	6070	1137
	7334	6071	1141
Req 1544	7458	6072	1230
	7534	6073	1250
1545 Req	7373	6074	1233
	7363	6075	1247
1547 - Req	7435	6076	1250
	7385	6077	1243
79 Leaks	7401	6078	1193
241 43	7414	6079	1193
1546 Req	7284	6080	1208
	7283	6081	1200
1548 Req	7317	6082	1233
	7337	6083	1227
1549 Req	7237	6084	1227
	7283	6085	1227

1280	1290	493	W
1280	1290	480	
1267	1283	530	W
1287	1297	500	
1273	1290	497	W
1323	1333	473	
1340	1353	433	W
1333	1350	437	
1333	1357	437	W
1333	1353	440	
1320	1330	440	W
1320	1330	443	
1307	1323	447	W
1300	1317	450	
1327	1333	457	W
1333	1347	463	
1320	1330	487	W
1320	1330	497	


1550 Req
7404
7362
6086 1243
6087 1227
1283 1297 473
1367 1320 510
1551 Req
7360
7421
6088 1223
6089 1207
1343 1357 723
1317 1327 620
1552 Req
7454
7445
6090 1203
6091 1227
1290 1300 617
1360 1373 610
1553 Req
7301
7303
6092 1250
6093 1243
1337 1347 600
1350 1360 477
80 flake 23.7 3.4
7137
7101
very bendy flat.
6094 1213
6095 1207
1317 1327 467
1253 1270 420
1554 Req
7222
7292
6096 1143
6097 1143
1277 1293 740
1317 1323 410
one tube on one
about slightly
burst out
1555 Req
7379
7375
6098 1190
6099 1190
1333 1353 407
1330 1343 322
1/8 long Tube. Req 2 sized flakes. 4 tubes - 1
Gelcon 621 12½:½:Bi ÷ 3099
6100 2592
6101 1153
3063 3079 1357
1303 1317 307
2833
3000
2750
3064
1400
81 flake 2.3 : 8 5.2
7410
7350
to hemisphere
6102 1160
1340 1327 383
1556 Req
7476
7449
6103 1250
6104 1240
1418 1423 773
1393 1407 350


200
250
350
400
19
Burned 4 times/ seam planned
1/2
Kal
6100
2463
2625
2063
2817
2843
2050
2375
2708
1570
2265
2396
2010


500
Red condition
Semen all blood
spots about
16 places
6160 2113 2271 4550 1400 1529 1400
6170
1021 1142 1550
19 spots
badly mv.



1557 Req — 7391, 7341 — 6105, 6106 — 1160, 1143 — 1330, 1285 — 1347, 1297 — 40, 347
1558 Req — 7365, 7329 — 6107, 6108 — 1173, 1160 — 1317, 1313 — 1330, 1323 — 403, 427
1559 Req — 7363, 7366 — 6109, 6110 — 1227, 1223 — 1353, 1347 — 1370, 1360 — 407, 417
1560 Req — 7301, 7308 — 6111, 6112 — 1197, 1183 — 1280, 1250 — 1297, 1267 — 377, 353
1561 Req — 7310, 7285 — 6113, 6114 — 1187, 1177 — 1363, 1279 — 1323, 1300 — 360, 357
1562 Req — 7430, 7401 — 6115, 6116 — 1116, 1170 — 1253, 1287 — 1263, 1307 — 396, 340
Tubes not Plated by Gat annealed — 6117, 6118 — 1490, 1467 — 1563, 1610 — 1580, 1627 — 887, 823 — 1100, 1067 — 1707, 1687 — 743, 747
621 yields 12½% Bismuth — 7616, 7586
21K4Li run 3 times 250D empty — 7615 — 6119 — 1493 — 1563 — 1577 — 747 — 1180 — 1610 — 820
Heat — 21K2Li
Deep 6117 — 6120, 6121, 6122 — 1393, 1373, 1333 — 1337, 1330, 1330 — 1363, 1337, 1340 — 363, 370, 400 — 1280, 1250, 1283 — 1293, 1273, 1313 — 397, 380, 413
21K4Li run 3 times past in 21K only
This looks like we easily pure W tubes for Bismuth

					Run 3 more c. obs	
6117	683	1467	767	667	1513	
6118	640	1380	670	647	1507	
6119	567	1520	663	493	1600	
				2nd		
6120	1263	1270	380	807	817	
6121	1240	1250	393	1063	1077	
6122	1260	1277	443	1070	1090	

After reversing went to

19 -	½
833	1610
410	1357
359	1177 —

Put — Key ½ —

1 Run	2nd
877	373
697	343
657	240

Irons OK IV 2380 ½ 3635

Phenomenon

Seems to show that only pure nickel tubes trough can be used after Burnett —

Grids as usual —

Notebook, N-13-02-10

Tubes not plotted but corrected
Req for 1564 — 2310 7001 7049 7064
21K 4 li Run 3 turns clump + put in 21K 2 li

6123	1213	
6124	1257	
6125	1277	

Dup 6123
Except 3 turns 21K 4 li clump put in plain 21K

6126	1153	
6127	1127	
6128	1123	

1563 Req 7260 7267

6129	1193	
6130	1197	

1564 Req 7295 7256

6131	1257	
6132	1237	

1565 Req 7260 7294

6133	1220	
6134	1220	

1566 Req 7392 7337

6135	1193	
6136	1213	

1567 Req 7327 7338

6137	1267	
6138	1303	

1568 Req 7329 7338

6139	1237	
6140	1233	

Note

1243	1273	503	1273	1300	620
1240	1287	513	1290	1313	627
1273	1297	463	1297	1320	547
1040	1057	237	950	983	193
1033	1040	200	993	997	217
1043	1053	240	957	967	210
1273	1297	403			
1287	1303	433			
1347	1363	440			
1347	1358	460			
1370	1380	480			
1320	1330	433			
1373	1390	510			
1313	1323	447			
1357	1373	453			
1373	1380	460			
1377	1393	377			
1387	1397	413			

				200		
6123	1273	1303	740	1347	1377	340
6124	1310	1342	693	1370	1443	773
6125	1277	1313	643	1347	1373	707
6126	1350	1380	207	810	913	313
6127	1347	1387	210	797	903	313
6128	1357	1383	223	840	940	313

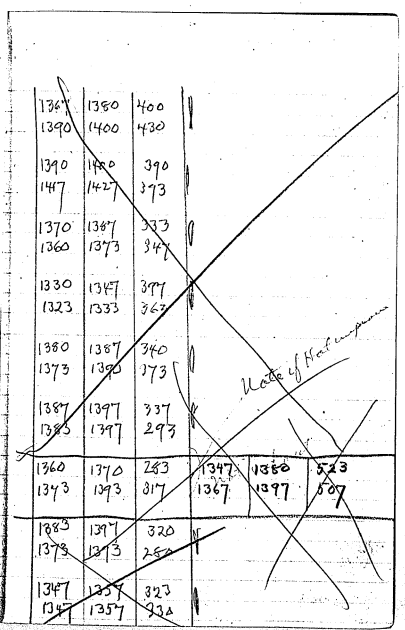
After 200 Run put on 21K 4 Li run 3 Lines then adj's to 21K2 L. Run Reg

250	1/2	H	300	1/2	Hal
1237	1283	607	1260	1323	753
1270	1323	643	1287	1350	797
1257	1307	643	1277	1337	790

6123	1043	1267	797	997	1183	1123
6124	1000	1273	800	1060	1200	1167
6125	1037	1293	797	1080	1263	1157

NOTE

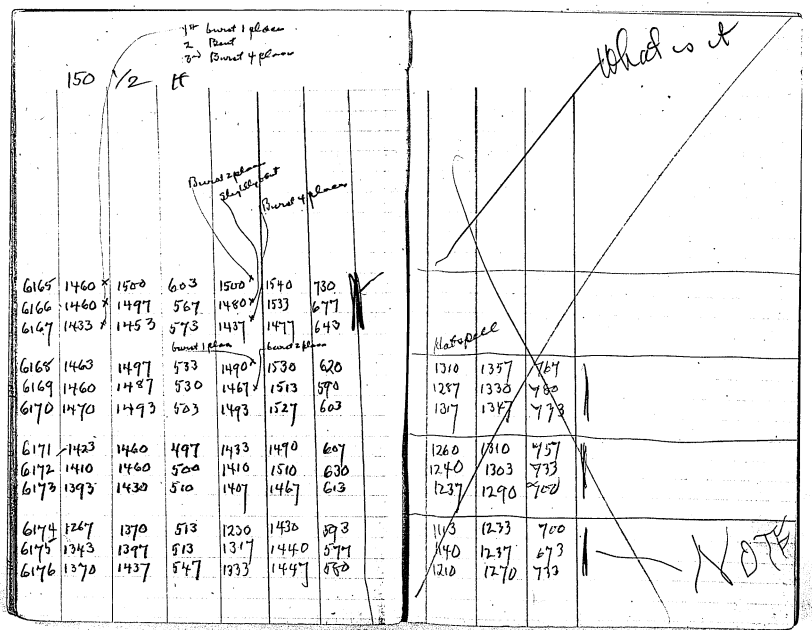
1569 Reg	7432	6141	1260
	7398	6142	1260
1570 Reg	7385	6143	1307
	7380	6144	1307
1571 Reg	7276	6145	1257
	7285	6146	1260
82 Flake	7258	6147	1203
23.7 4.2	7257	6148	1220
1573 Reg	7459	6149	1233
	7396	6150	1237
1574 Reg	7392	6151	1310
	7406	6152	1310
1575 Reg	7372	6153	1243
	7452	6154	1240
1576 Reg	7431	6155	1260
	7454	6156	1283
83 Flake 23.8	4.2	6157	1257
	7262	6158	1257
	7229		



6153	1270	1367	640
6154	1347	1387	393

1572 Req	7345	6159	1253
	7343	6160	1257
1577 Req	7290	6161	1260
	7293	6162	1263
1578 Req	7297	6163	1253
	7311	6164	1273
Goldstein 637 - dried uncovered box one hole 14 drops - 520 NaOH. 4. 26.8 2548	7900	6165	1300
	7896	6166	1280
gritty granulary heavy	7870	6167	1300
Goldstein 637 - dried covered box one hole 14 drops - 520 NaOH. 4. 26.7 2548	7627	6168	1273
	7560	6169	1273
Soft Crumbly adhesion	7550	6170	1283
Goldstein 638 - dried covered box 2 Holes - 14 drops 500 NaOH. 4. 27.8 2558	7243	6171	1300
	7184	6172	1277
Soft Crumbly	7249	6173	1300
Goldstein 639 - dried covered box 2 Holes 13 drops 510 NaOH. 4 26.8 2438	7035	6174	1260
	7065	6175	1260
pressed into discs 300 atmos	7066	6176	1263

1327	1347	347			
1357	1357	347			
1367	1383	403			
1373	1383	427			
1363	1377	423			
1387	1393	393			
1410	1423	410	1459	1457	460
1440	1457	453	1473	1450	443
1413	1427	373	1427	1443	447
1370	1423	367	1453	1467	427
1393	1413	387	1457	1473	450
1410	1427	403	1453	1470	447
1410	1423	403	1433	1453	433
1367	1393	407	1393	1417	437
1373	1387	403	1383	1397	400
1357	1363	423	1333	1390	453
1350	1367	393	1343	1383	457
1375	1387	400	1390	1423	477


4th burst 1 phase
2 Reset
3rd Burst 4 phase
150 1/2 ft
Burst 2 phase
Skyflyfest
Burst 4 phase
6165 1460 1500 603 1500 1540 730
6166 1460 1497 567 1480 1533 677
6167 1433 1453 573 1437 1477 648
burst 1 phase
Reset 2 phase
6168 1463 1497 533 1490 1530 620
6169 1460 1487 530 1467 1513 590
6170 1470 1493 503 1493 1527 603
6171 1423 1460 497 1433 1490 607
6172 1410 1460 500 1410 1510 630
6173 1393 1430 510 1407 1467 613
6174 1267 1370 513 1230 1430 593
6175 1343 1397 513 1317 1440 577
6176 1370 1437 547 1333 1447 580
What is it
Mostpace
1310 1357 767
1287 1330 780
1317 1347 773
1260 1310 757
1240 1303 733
1237 1290 700
1193 1233 700
1140 1237 673
1210 1270 773
NOTE

Goldstein 644 — Dried covered box 2 holes 21 days 520 mach. 4.27	7295	6177	1250
243d	7267	6178	1263
Grilley granular	7314	6179	1277
Goldish 643 Dried Covered box 5 Holes 14 days 510 mach. 4.27	7365	6180	1233
243d	7395	6181	1220
Grilley granular	7387	6182	1243
847 Rocks 23.8 264d	7487	6183	1177
	7500	6184	1167
1583 Reg	7301	6185	1173
	7375	6186	1190
1579 Reg	7490	6187	1250
	7519	6188	1263
857 24.2 4.2 264d	7277	6189	1200
	7224	6190	1177
1580 Reg	7341	6191	1193
	7375	6192	1180
1581 Reg	7627	6193	1227
	7527	6194	1220

50	1/8	Hot	100	1/2	1/4
1393	1400	393	1413	1443	1490
1387	1413	400	1413	1440	477
1397	1417	417	1423	1447	493
1363	1397	433	1393	1390	490
1353	1379	430	1383	1400	517
1387	1400	443	1390	1420	547
1297	1323	383			
1263	1273	420			
1227	1257	407			
1260	1280	457			
1357	1373	430			
1370	1393	440			
1317	1343	437			
1357	1367	360			
1358	1357	390			
1327	1347	397			
1360	1393	500			
1327	1357	473			

6177	1417	1467	527	1460	1527	610
6178	1417	1470	517	1423	1520	590
6179	1417	1483	527	1348	1507	563
6180	1343	1397	548	1317	1453	537
6181	1373	1420	530	1330	1427	560
6182	1360	1423	520	1350	1500	538

Halfspeed — burnt filament — Wheatstone

1307	1360	743
1267	1347	687
1297	1347	657
1213	1307	647
1273	1343	677
1273	1343	660

1582 Req 262	7383 7433	6195 6196	1227 1243
1584 Req	7518 7526	6197 6198	1243 1220
1585 Req	7341 7295	6199 6200	1223 1223
1586 Req	7567 7581	6201 6202	1250 1233
1587 Req	7630 7598	6203 6204	1297 1277
1588 Req	7584 7563	6205 6206	1287 1287
1589 Req	7668 7576	6207 6208	1277 1267
1590 Req	7708 7760	6209 6210	1283 1257
1591 Req	7387 7419	6211 6212	1257 1260

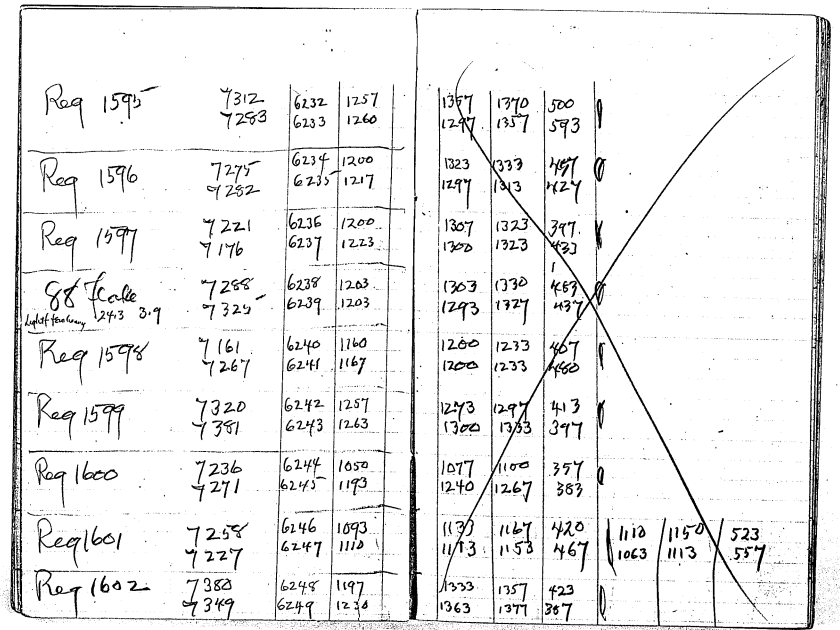
1313 1320	1330 1340	413 423
1307 1323	1310 1360	333 307
1317 1300	1333 1313	317 347
1333 1327	1360 1367	437 413
1400 1357	1430 1387	350 414
1333 1320	1347 1303	330 423
1310 1297	1327 1307	383 320
1330 1303	1333 1333	333 340
1300 1310	1317 1327	367 347

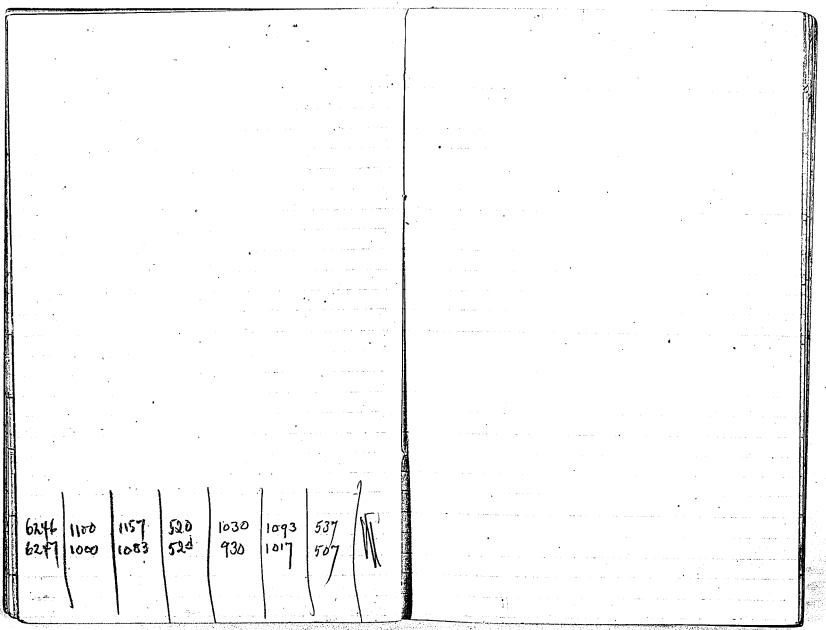
1592 Reg	7320	6213	1230
	7256	6214	1273
1593 Reg	7390	6215	1260
	7369	6216	1273
Goldalan 640 – Dried covered Sox		6217	1307
2 Holes 21 Days 530 Month.		6218	1300
4. 2619 . 235D	7198	6219	1290
	7162		
passed 300 calmos	7208		
Goldalan 635 Dried covered Sox		6220	1280
1 Hole 27 Days. 530 Month.		6221	1307
4 2615	7415	6222	1307
2420	7673		
Granulom quality	7640		
Goldalan 636 – Dried covered Sox		6223	1283
11 Hole 520 Month 21 Days = 7651		6224	1283
243 D	7719	6225	1283
	7653		
1439 Expt 233 D	7112	6226	1180
	7163	6227	1191
1440 Expt 235 D	7218	6228	1230
	7198	6229	1248
Reg 1594	7328	6230	1250
	7264	6231	1233

1290	1307	450				
1347	1363	470				
1323	1387	393				
1317	1393	460				
1347	1487	367	1423	1457	440	
1380	1397	340	1390	1493	450	
1371	1400	383	1382	1420	517	
1347	1367	397	1397	1420	580	
1393	1417	420	1447	1463	607	
1390	1413	457	1413	1447	643	
			1418	1482	590	
			1420	1460	497	
			1410	1437	573	
1273	1303	433	1287	1303	420	
1293	1353	417	1337	1353	353	
1347	1363	442	1363	1377	403	
1297	1358	452	1333	1360	497	
1354	1393	470				
1357	1370	483				

				200		
6217	1390	1447	587	1337	1437	717
6218	1387	1437	577	1327	1400	677
6219	1360	1437	533	1297	1380	660
6220	1347	1417	610	1294	1397	634
6221	1447	1477	607	1437	1527	690
6222	1420	1460	630	1380	1453	690
6223	1413	1457	690	1357	1443	700
6224	1427	1460	697	1390	1457	727
6225	1420	1460	703	1317	1430	727
6226	1290	1327	583	1157	1297	513
6227	1410	1443	663	1267	1400	597
6228	1353	1387	680	1263	1363	953
6229	1350	1383	557	1313	1383	570
6230						
6231						

300					
1190	1394	633	1123	1210	650
1133	1330	633	1130	1243	653
1117	1310	633	1143	1263	660

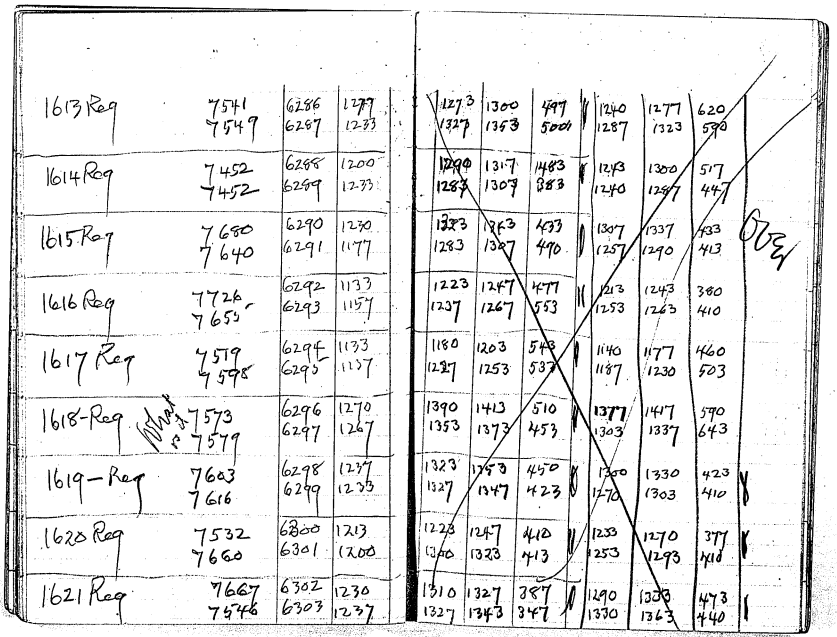

Req 1595
7312
7283
6232
6233
1257
1260
Req 1596
7275
7282
6234
6235
1200
1217
Req 1597
7221
7176
6236
6237
1200
1223
98 Scale
Light Hauling 24.3 3.9
7258
7329
6238
6239
1203
1203
Req 1598
7161
7267
6240
6241
1160
1167
Req 1599
7320
7381
6242
6243
1257
1263
Req 1600
7236
7271
6244
6245
1050
1193
Req 1601
7258
7227
6246
6247
1093
1110
Req 1602
7380
7349
6248
6249
1197
1230
1357
1297
1370
1357
500
593
1323
1297
1333
1313
497
427
1307
1300
1323
1323
397
437
1303
1293
1330
1327
487
437
1200
1200
1233
1233
467
460
1293
1300
1297
1303
413
397
1077
1240
1100
1267
357
383
1130
1113
1167
1153
420
467
1333
1363
1357
1377
423
387
1110
1063
1150
1113
523
557


6246 1100 1157 520 1030 1093 537
6247 1000 1083 524 930 1017 507

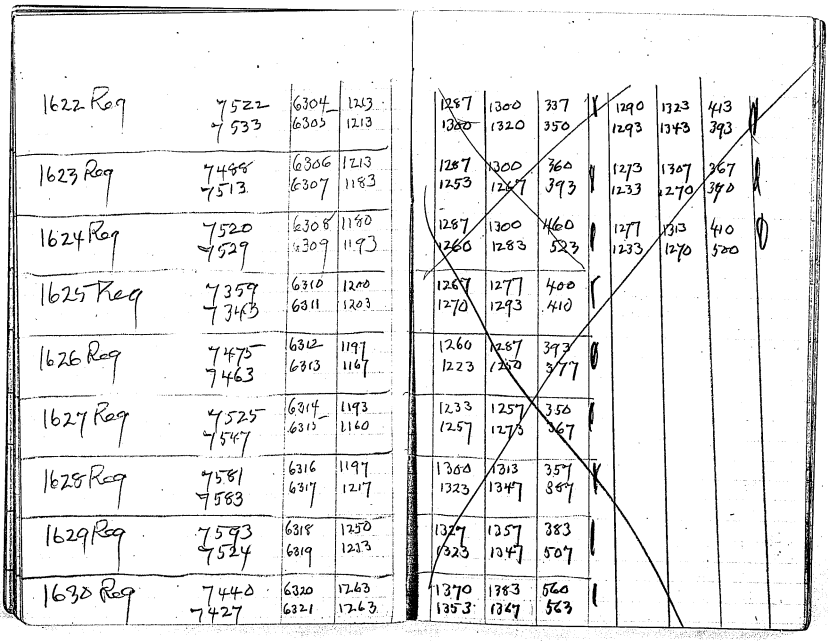
Req 1603	7248 7270	6250 6251	1200 1210	1345 1350	1360 1367	403 410					
87 leaks 237N 24.2 4↓	7275 7271	6252 6253	1163 1143	1323 1307	1330 1317	413 410					
Spec f – 3/4 Req f – 3.9 gun dump Def 41 – 1/4 fumes D 237N 24.2 4↓ Req 227N	6955 7010	6254 6255	1153 1183	1307 1257	1327 1273	433 420	1327 1313	1363 1343	540 530		
Dup 6254 1/2 Req 1/2 fumes 5.1 gun dump	7075 7068	6256 6257	1110 1163	1277 1303	1293 1320	427 437	1313 1350	1343 1377	573 570		
Spec f Dup 7.4 gun dump All fumes	7261 7185	6258 6259	907 917	1150 1160	1173 1177	393 403	1197 1193	1230 1227	527 543		
88 f 24 - 4.4 -	7304 7374	6260 6261	1160 1160	1323 1320	1337 1333	397 400					
1604 Req	7538 7491	6262 6263	1227 1233	1370 1396	1383 1377	417 397					
Spec bakeout test Req to 26.8 4 f 237N Pump 9 am 7/9 th out 8 a 7/10 th 8 am –	7001 6955	6264 6265	1303 1300	1360 1363	1370 1380	350 373	1333 1353	1343 1363	1423 573		
Dump – in 8 am 7/9 to 10 out 8 am 7/9 to 11	6963 6984	6266 6267	1290 1287	1360 1333	1373 1353	380 337	1357 1360	1377 1380	533 523		

Final Bake test: in 10 pm Feb 10 out 8am 11	7000	6268	1300
	7079	6269	1313
1605 Reg	7580	6270	1247
	7596	6271	1223
1606 Reg	7355	6272	1220
	7461	6273	1200
1607 Reg	7475	6274	1230
	7402	6275	1220
1608 Reg	7504	6276	1237
	7435	6277	1227
1609 Reg	7407	6278	1227
	7455	6279	1193
1610 Reg	7235	6280	1243
	7325	6281	1230
1611 Reg	7550	6282	1230
	7556	6283	1193
1612 Reg	7476	6284	1180
	7496	6285	1213

1330	1360	553			
1327	1353	570			
1397	1427	550			
1417	1443	584			
1377	1400	543			
1360	1390	537			
1367	1383	527			
1393	1353	407			
1323	1350	447			
1340	1360	453			
1210	1240	447			
1200	1230	458			
1300	1330	437			
1293	1323	430			
1313	1330	443	1243	1293	623
1283	1307	513	1270	1323	667
1287	1317	580	1290	1340	683
1313	1333	503	1317	1367	650


1613 Reg
7541
7549
6286
6287
1279
1283
1614 Reg
7452
7452
6288
6289
1200
1233
1615 Reg
7680
7640
6290
6291
1230
1177
1616 Reg
7726
7655
6292
6293
1133
1157
1617 Reg
7519
7598
6294
6295
1133
1137
1618-Reg
7573
7579
6296
6297
1270
1267
1619-Reg
7603
7616
6298
6299
1237
1233
1620 Reg
7532
7660
6300
6301
1213
1200
1621 Reg
7667
7546
6302
6303
1230
1237
1273 1300 497
1327 1353 5001
1240 1277 620
1287 1323 590
1290 1317 1483
1287 1307 883
1243 1300 517
1240 1297 447
1283 1263 433
1283 1327 490
1307 1337 433
1257 1290 413
1223 1247 477
1237 1267 553
1213 1243 380
1253 1263 410
1180 1203 543
1227 1253 537
1140 1177 460
1187 1230 503
1390 1413 510
1353 1373 453
1377 1417 590
1303 1337 643
1323 1353 450
1327 1347 423
1300 1330 423
1270 1303 410
1223 1247 410
1240 1323 413
1253 1270 377
1293 418
1310 1327 387
1327 1343 347
1290 1330 473
1330 1363 440
Bad

	150	1/2	1st	
6256	1303	1353	600	
6257	1343	1400	593	
6258	1253	1357	583	
6259	1267	1323	540	
6290	1310	1363	557	
6291	1293	1327	564	
6292	1207	1263	600	
6293	1267	1317	607	
6294	1210	1260	600	
6295	1247	1293	907	
6296	1433	1473	707	
6297	1367	1400	597	

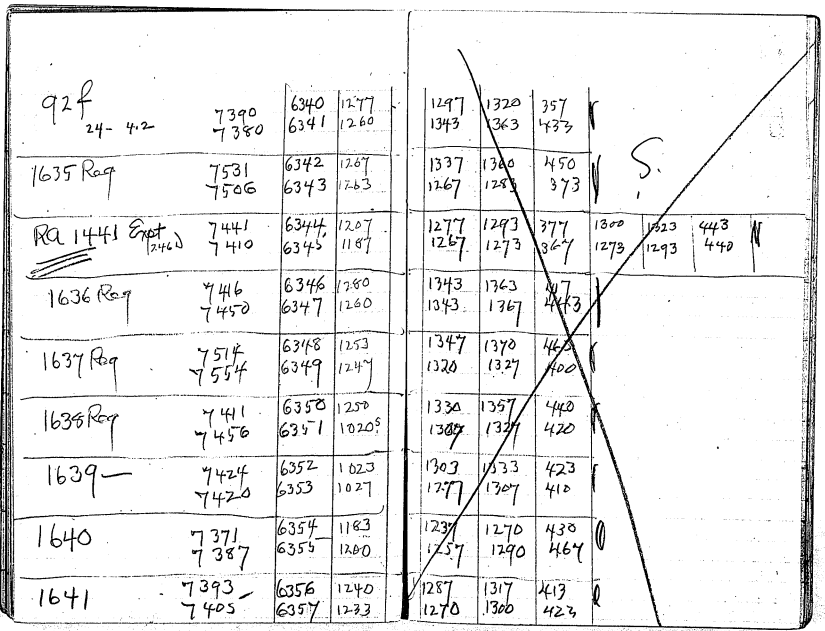


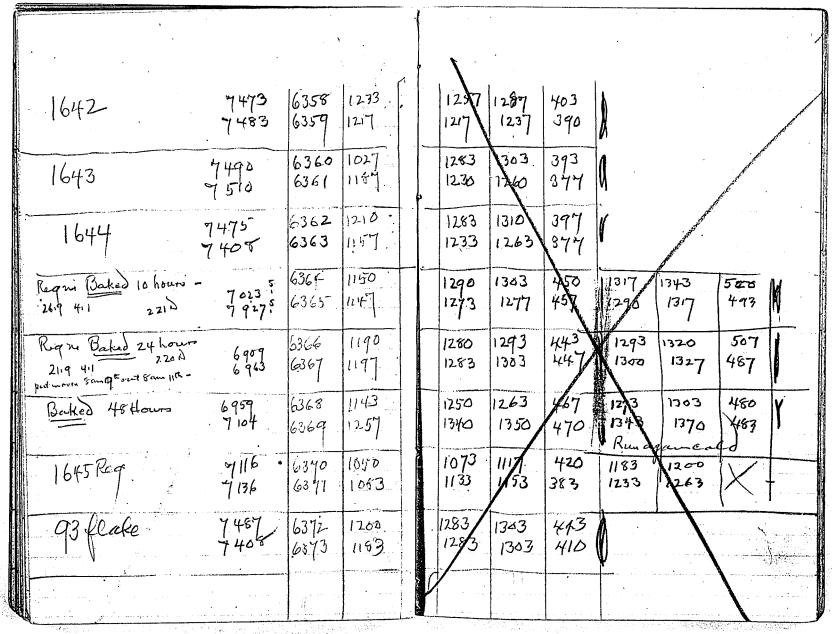
1622 Reg	7522 7533	6304 6305	1213 1213
1623 Reg	7488 7513	6306 6307	1213 1183
1624 Reg	7520 7529	6308 6309	1180 1193
1625 Reg	7359 7343	6310 6311	1200 1203
1626 Reg	7475 7463	6312 6313	1197 1167
1627 Reg	7525 7547	6314 6315	1193 1160
1628 Reg	7581 7583	6316 6317	1197 1217
1629 Reg	7593 7524	6318 6319	1250 1223
1630 Reg	7440 7427	6320 6321	1263 1263

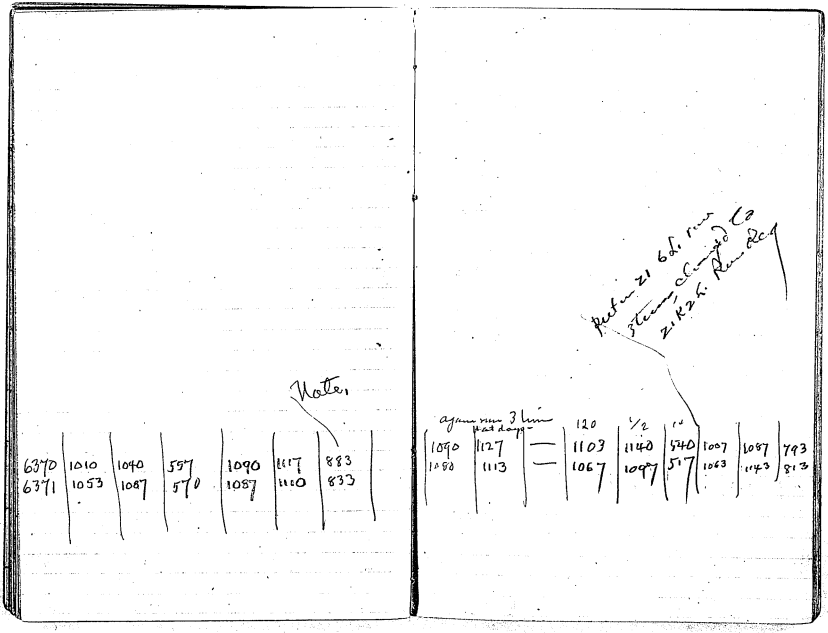
1287 1300	1300 1320	337 350	1290 1293	1323 1343	413 393	
1287 1253	1300 1267	360 393	1273 1233	1307 1270	367 390	
1287 1260	1300 1283	460 523	1277 1233	1313 1270	410 520	
1267 1270	1277 1293	400 410				
1260 1223	1287 1260	393 377				
1233 1257	1257 1273	350 367				
1300 1323	1313 1347	357 387				
1327 1323	1357 1347	383 507				
1370 1353	1383 1367	560 563				

1631 Reg	7368	6322	1193	1267	1293	303	
	7492	6323	1210	1273	1298	260	
1632 Reg	7626	6324	1270	1393	1443	297	
	7638	6325	1243	1310	1330	253	
1633 Reg	7644	6326	1263	1363	1380	597	
	7580	6327	1257	1327	1337	603	
Golden 621 – 21K4Li 3 bmin Cold – Empty out – 21K 2Li Then hot & chill Then 3 bmin and 6 min Then 6 min & then 7 of all		6328	1350	1647	1717	1720	
		6329	1343	1637	1700	1680	
89f 23.7 4.4	7420	6330	1207	1280	1294	643	
	7476	6331	1183	1217	1240	647	
1634 Reg	7548	6332	1220	1267	1283	440	
	7447	6333	1210	1263	1273	647	
88f – 24. 4.4	7384	6334	1143	1220	1227	547	
	7333	6335	1170	1233	1270	473	
90f 24. 4.4 –	7312	6336	1220	1263	1297	466	
	7360	6337	1223	1363	1317	433	
91f 24. 4.3	7343	6338	1230	1310	1330	390	
	7395	6339	1250	1257	1280	343	

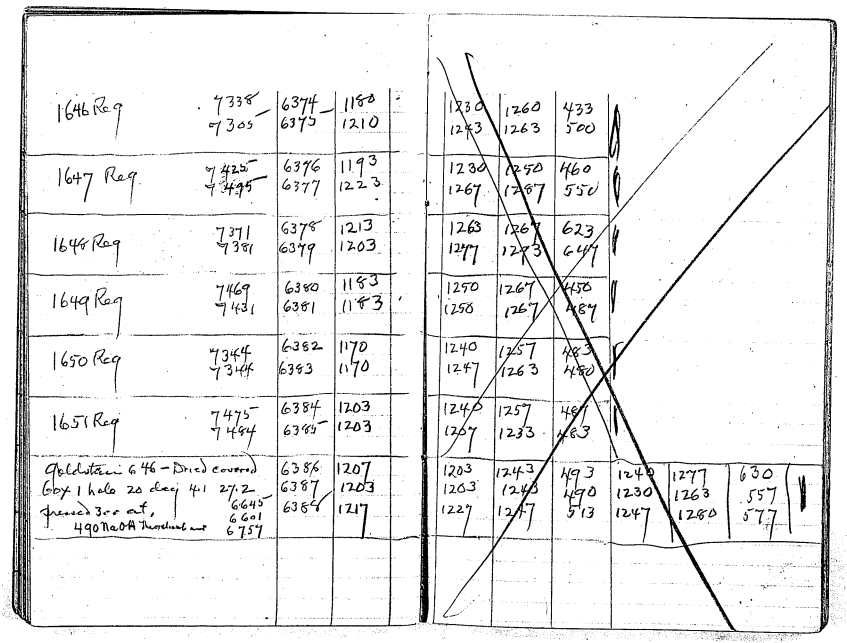
NOTE
What is it
golden 621
5 5
what is


92f
24- 4.2
7390
7380
6340
6341
1277
1260
1297
1343
1320
1363
357
433
1635 Reg
7531
7506
6342
6343
1267
1263
1337
1267
1380
1285
450
373
S.
RA 1441 Expt
2460
7441
7410
6344
6345
1207
1187
1277
1267
1293
1273
377
367
1300
1273
1323
1293
443
440
1636 Reg
7446
7450
6346
6347
1280
1260
1343
1343
1363
1367
447
443
1637 Reg
7514
7554
6348
6349
1253
1247
1347
1320
1370
1327
460
400
1638 Reg
7411
7456
6350
6351
1250
1020S
1330
1307
1357
1327
440
420
1639
7424
7420
6352
6353
1023
1027
1303
1277
1333
1307
423
410
1640
7371
7387
6354
6355
1183
1200
1237
1257
1270
1290
430
464
1641
7393
7405
6356
6357
1240
1233
1287
1270
1317
1300
413
423


1642
7473
7483
6358
6359
1233
1217
1237
1287
1217
1237
403
390
1643
7490
7510
6360
6361
1027
1184
1283
1230
1303
1260
393
344
1644
7475
7408
6362
6363
1210
1157
1283
1233
1310
1263
397
374
Regen Baked 16 hours -
269 41 221d
7023
7927
6365
1150
1145
1290
1273
1303
1277
450
457
1317
1290
1343
1317
580
493
Regen Baked 24 hours
219 41 224d
6909
6963
6366
6367
1190
1197
1280
1283
1293
1303
443
447
1293
1300
1320
1327
507
487
Baked 48 Hours
6959
7104
6368
6369
1143
1257
1250
1340
1263
1350
467
470
1273
1343
1303
1370
480
487
Run Requested
1645 Reg
7116
7136
6370
6371
1050
1053
1073
1133
1117
1153
420
383
1183
1233
1200
1263
93 flake
7487
7408
6372
6373
1208
1193
1283
1283
1343
1303
443
410


Note:
6370 1010 1040 597 1090 1117 883
6371 1053 1087 570 1087 1110 833
again more 3 hours
1090 1127 1103 1140 540 1007 1087 793
1080 1113 1067 1097 517 1063 1143 813

1369	1037	958	220	1047	1123	1144	1370		


1646 Req
7338
7305
6374
6375
1188
1210
1647 Req
7425
7395
6376
6377
1193
1223
1648 Req
7371
7381
6378
6379
1213
1203
1649 Req
7469
7431
6380
6381
1183
1183
1650 Req
7364
7346
6382
6383
1170
1170
1651 Req
7475
7484
6384
6385
1203
1203
Gelatin 6.46 – Dried covered
6645
6601
6757
6386
6387
6388
1207
1203
1217
1230
1243
1260
1263
433
500
1230
1267
1250
1267
460
550
1263
1247
1267
1273
623
647
1250
1258
1267
1267
450
484
1240
1247
1257
1263
483
480
1240
1267
1257
1233
487
483
1203
1263
1227
1243
1247
493
490
513
1249
1230
1247
1277
1263
1280
630
557
577

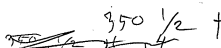
Goldstein 647 – 500 NaOH. Pressed 300 atmos 6833 6869 4:1 26:7 Dried covered bag one hole 26 days 6862 222 d	6389	1227	1267	1290	450	1297	1323	547
	6390	1230	1263	1287	407	1273	1307	510
	6391	1230	1283	1303	410	1310	1333	543
Goldstein 648 – 510 NaOH. Pressed 300 atmos 6860 6811 Dried in covered bag one hole 6863 32 days 220 d	6392	1210	1287	1317	403	1333	1373	567
	6393	1207	1287	1317	447	1313	1373	573
	6394	1217	1283	1303	457	1323	1367	537
Goldstein 650 – 490 Kieselsäure NaOH. Press 300 atm – Dried 26 days 6741 6729 6723 218 d	6395	1173	1160	1200	500	1227	1263	617
	6396	1143	1150	1177	443	1193	1233	570
	6397	1173	1163	1207	413	1230	1257	523
Goldstein 653 – 520 NaOH. Press 300 atm – dried bag 2 holes 7048 7074 7049 19 days – 226 d	6398	1237	1320	1333	338	1360	1383	493
	6399	1243	1323	1343	337	1347	1373	497
	6400	1247	1350	1367	363	1393	1417	533
Goldstein 654 Dried covered bag 5 holes 19 days pressed dessen 6647 6612 6621 300 atmos 216 d	6401	1167	1243	1263	360	1280	1310	537
	6402	1177	1250	1267	497	1273	1303	647
	6403	1180	1263	1287	540	1283	1313	650
Goldstein 655 Dried Covered bag 5 holes 26 days 6763 6742 6739 pressed 300 atmos	6404	1207	1333	1340	337	1373	1400	533
	6405	1207	1337	1350	887	1373	1400	510
	6406	1210	1333	1340	877	1367	1400	483

6389	1310	1343	590	1257	1327	587	
6390	1297	1323	584	1253	1313	553	
6391	1287	1317	533	1127	1327	563	
6392	1343	1364	553	1327	1390	630	
6393	1327	1353	513	1277	1363	613	
6394	1343	1370	500	1323	1393	623	
6395	1240	1283	680				
6396	1143	1190	603				
6397	1327	1279	627				
6398	1357	1387	617				
6399	1350	1380	620				
6400	1360	1397	593				
6401	1293	1327	513				
6402	1270	1313	543				
6403	1367	1353	503				
6404	1357	1390	523				
6405	1347	1383	537				
6406	1330	1367	507				

Wholeheart

Goldsboro 656		6407	1220	Note Cobalt runs				
Dried overnight at 75° Hg 32 Days 224 D		6408	1220	50	½	H	100	½ Hot
	6962	6409	1230	1337	1360	347	1403	1430 447
pressed 300 atmos	6978			1340	1363	367	1410	1433 440
	7016			1358	1367	327	1397	1420 410
Goldsboro 659 –		6410	1257	1403	1423	313	1443	1460 413
1% Cobalt hydrox	7200	6411	1247	1403	1423	293	1453	1473 483
pressed 300 atmos –	7260	6412	1223	1413	1433	340	1457	1477 503
	7224							
Goldsboro 660 –		6413	1233	1380	1403	310	1423	1443 457
1% Cobalt hydrox	7124	6414	1233	1383	1410	340	1460	1480 487
pressed 300 atmos	7140	6415	1240	1403	1423	400	1463	1483 487
	7134							
Goldsboro 661		6416	1223	1403	1420	380	1433	1457 443
0 1% Cobalt hydrox	7052	6417	1210	1393	1413	357	1443	1467 437
pressed 300 atmos	7100	6418	1197	1393	1413	360	1483	1457 467
	7054							
Goldsboro 662		6419	1190	1430	1450	290	1430	1458 437
3% Cobalt hydrox	6856	6420	1183	1417	1433	277	1417	1440 450
pressed 300 atmos	6835	6421	1180	8390	1410	293	1447	1473 520
	6826							
Goldsboro 663		6422	1180	1430	1453	297	1430	1457 460
4% Cobalt hydrox		6423	1183	1433	1453	333	1410	1437 406
pressed 300 atmos	6963	6424	1174	1407	1427	317	1360	1407 367
	6935							
	6909							

6407	1367	1397	450										
6408	1377	1410	497										
6409	1380	1413	460										
6410	1430	1463	517	1393	1493	633		1353	1420	300	1210	1367	683
6411	1453	1480	560	1390	1493	650		1357	1457	640	1197	1347	617
6412	1460	1487	587	1407	1500	634		1320	1433	653	1183	1267	587
6413	1413	1443	507	1347	1443	587		1307	1417	630	1173	1350	580
6414	1447	1477	503	1400	1493	593		1360	1460	653	1193	1400	587
6415	1443	1477	493	1407	1487	590		1357	1450	657	1200	1393	607
6416	1390	1433	393	1313	1410	517		1227	1360	560	1130	1323	557
6417	1400	1450	450	1343	1480	523		1297	1400	573	1200	1363	570
6418	1397	1450	490	1323	1410	543		1253	1360	587	1173	1353	570
6419	1377	1427	457	1303	1343	443		1200	1313	557	1130	1267	580
6420	1373	1423	490	1257	1343	463		1163	1293	553	1163	1273	580
6421	1373	1420	490	1303	1363	487		1227	1343	563	1168	1293	553
6422	1387	1433	457	1293	1390	490		1227	1333	553	1127	1300	547
6423	1350	1417	373	1280	1363	443		1133	1290	553	1123	1267	530
6424	1330	1393	447	1257	1353	473		1167	1280	550	1103	1260	497



	350	1/2	400	1/2	H
6410	1310	1423	1213	1350	603
11	1263	1417	1243	1383	623
12	1257	1423	1207	1390	597
6413	1233	1417	1240	1420	640
14	1283	1410	1277	1440	693
15	1270	1450	1240	1423	583
6416	1173	1358	1140	1290	590
17	1247	1400	1240	1403	633
18	1200	1353	1210	1350	537
6419	1167	1303	1143	1287	467
20	1100	1267	1100	1257	463
21	1200	1357	1217	1383	540
6422	1200	1393	1233	1370	580
23	1133	1267	1140	1300	540
24	1107	1260	1120	1283	480

450	1/2	Hol
1083	1287	567
1110	1290	580
1107	1273	547
1083	1247	500
1140	1330	543
1110	1313	547
1080	1217	503
1113	1213	533
1117	1293	563
1060	1200	493
977	1143	383
1083	1210	454

NOTE

								100 doz Run	1	3, 4, 5, 6/0	1: 2.36 3½ 2.46 4½ 2.35 5 2.27	
Goldh. 664 5% Cobalt Hydrox Ground 300 mt	6658 6721 6662	6425 6426 6427	1113 1117 1090	1407 1423 1320	1430 1457 1347	337 813 247	1293 1330 1237	1340 1370 1290	363 360 360			
Goldstein 644 Dried Covered box 5 holes 23 days 520 Nacl	7475 7467 7447	6428 6429 6430	1260 1253 1257	1377 1353 1357	1407 1377 1370	387 367 877	1443 1380 1390	1490 1410 1420	537 503 510			
Goldstein 645 Dried covered box 5 holes 23 days - 530 Nacl	7688 7720 7716	6431 6432 6433	1237 1247 1247	1370 1373 1390	1407 1407 1413	377 347 353	1440 1447 1430	1463 1473 1457	540 560 527			
Goldstein 649 - Dried box 1 holes 23 days 520 Nacl.	7323 7256 7324	6434 6435 6436	1213 1220 1223	1333 1337 1340	1353 1367 1380	323 943 383	1370 1390 1387	1397 1410 1410	507 563 563			
Goldstein 657 Dried covered box 5 holes 30 days 320 Nacl	7178 7164 7205	6437 6438 6439	1217 1200 1233	1327 1357 1360	1363 1380 1383	373 367 333	1390 1380 1443	1443 1410 1437	517 484 507			
Lot 94 f — Quite some heavies for finis -	7265 7302	6440 6441	1227 1163	1290 1283	1317 1320	417 344	V					
Lot 95 f few heavies for finis —	7377 7284	6442 6443	1173 1193	1253 1217	1317 1257	420 390	V					

6425	1247	1317	397	1150	1257	473
6426	1300	1360	500	1200	1293	447
6427	1183	1243	347	1123	1298	413
6425	1467	1503	593			
6429	1383	1430	590			
6430	1390	1430	580			
6431	1460	1490	580			
6432	1447	1477	607			
6433	1433	1467	636			
6434	1370	1397	547			
6435	1343	1384	573			
6436	1370	1400	567			
6437	1390	1417	537			
6438	1377	1407	557			
6439	1293	1427	570			

350	½	¾			
1083	1193	550	1033	1163	490
1123	1237	547	1040	1160	467
1057	1177	497	1043	1133	460

6425	1023	1167	1047	1180	373	
26	993	1117	1047	1180	403	
27	1020	1107	1023	1137	460	

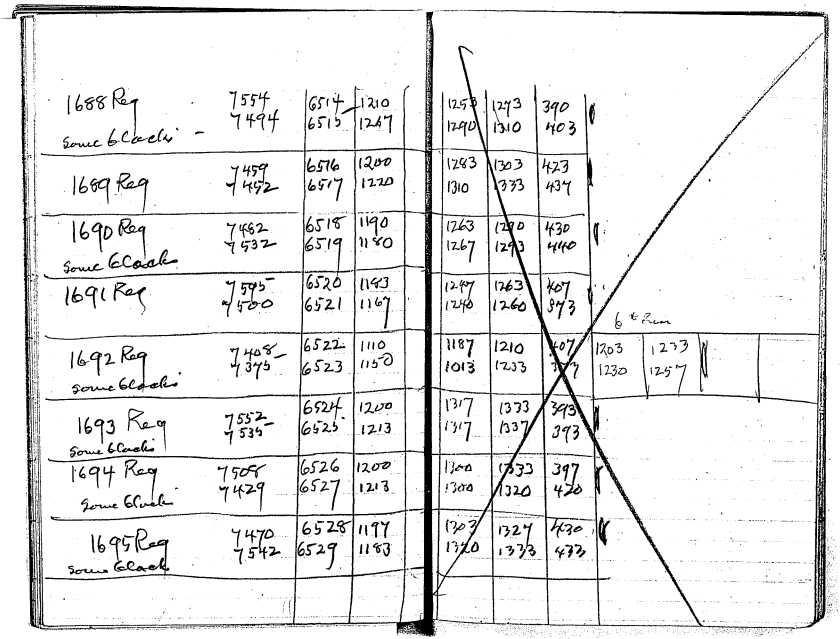
Lot 96 f	7240	6444	1173	1250	1323	393
few heads in -	7229	6445	1193	1210	1247	363
1652 Reg	7369	6446	1210	1280	1323	350
	7456	6447	1213	1290	1360	333
1653 Reg	7370	6448	1197	1287	1300	463
	7224	6449	1170	1210	1248	417
Lot 97 f	7328	6450	1257	1303	1330	407
	7245	6451	1250	1290	1307	417
1654 Reg	7437	6452	1197	1293	1313	430
	7454	6453	1207	1277	1290	403
1655 Reg	7543	6454	1237	1333	1350	447
	7448	6455	1230	1290	1310	407
1656 Reg	7402	6456	1207	1293	1310	433
	7403	6457	1213	1277	1290	447
1657 Reg	7342	6458	1227	1277	1323	390
	7469	6459	1247	1323	1343	387
~~[illegible]~~						

1658 Reg few 6 Crack Kernels	7436 7434	6460 6461	1223 1230	1240 1317	1330 1340	357 390
1659 Reg few 6 Crack Kernels	7210 7267	6462 6463	1157 1180	1253 1293	1240 1313	407 407
1660 Reg	7301 7294	6464 6465	1183 1180	1273 1277	1290 1290	413 400
1661 Reg few 6 Cracks	7321 7330	6466 6467	1160 1187	1210 1257	1237 1283	380 347
1662 Reg	7284 7246	6468 6469	1180 1137	1213 1200	1237 1233	353 380
1664 Reg	7545 7509	6470 6471	1117 1210	1237 1297	1260 1317	383 397
1665 Reg	7354 7294	6472 6473	1230 1213	1297 1247	1317 1267	393 400
1666 Reg	7425 7345	6474 6475	1197 1200	1297 1247	1264 1297	397 380
1667 Reg	7495 7430	6476 6477	1213 1200	1257 1263	1297 1290	347 363

1668 Reg	7437 7391	6478 6479	1207 1283
1669 Reg	7435 7451	6480 6481	1143 1173
1670 Reg (2 blanks in —)	7522 7450	6482 6483	1183 1200
1671 Reg	7535 7560	6484 6485	1227 1190
1672 Reg	7580 7376	6486 6487	1230 1217
1673 Reg	7460 7441	6488 6489	1227 1200
1674 Reg	7383 7398	6490 6491	1183 1197
1675 Reg (2 blanks in)	7443 7513	6492 6493	1217 1193
1676 Reg	7500 7512	6494 6495	1250 1250

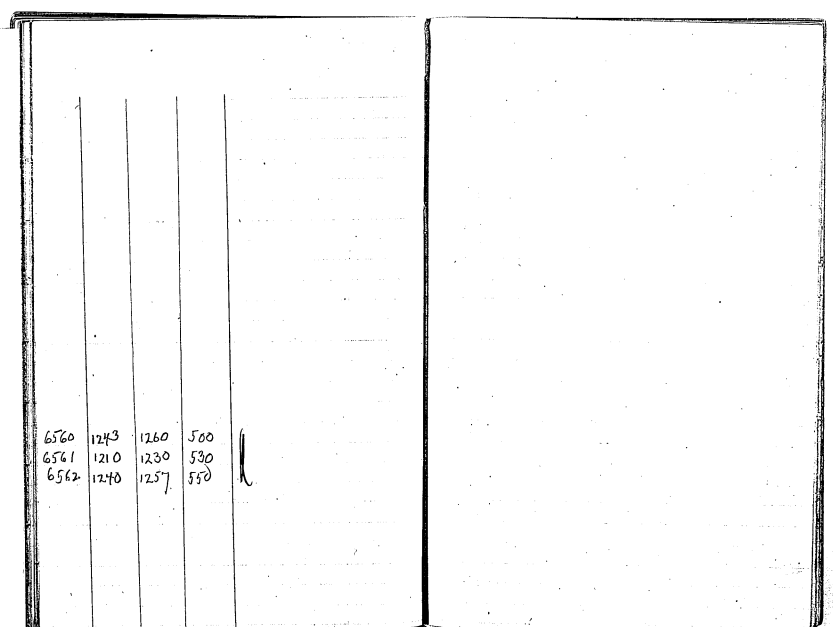
1263 1267	1287 1287	343 347	0	7 cold 50 ½ H
1168 1180	1190 1207	320 347	1200 1223	1263 1250
1313 1303	1330 1327	420 390		
1350 1293	1347 1308	430 343		
1317 1327	1330 1347	403 400		
1323 1297	1337 1317	423 424		
1317 1297	1330 1320	440 413		
1300 1257	1320 1280	450 410		
1333 1330	1353 1347	403 377		

1677 Reg few Cracks	7480 7489	6496 6497	1190 1190	1270 1267	1283 1283	377 383
1678 Reg	7325 7290	6498 6499	1227 1203	1307 1293	1323 1307	340 363
1679 Reg few Cracks	7480 7660	6500 6501	1233 1230	1307 1330	1332 1343	333 354
1680 Reg some Cracks	7305 7318	6502 6503	1197 1180	1277 1297	1300 1323	350 400
1681 Reg some Cracks	7459 7455	6504 6505	1237 1210	1290 1287	1310 1307	357 384
1684 Reg few Cracks	7329 7400	6506 6507	1130 1117	1217 1207	1250 1280	430 443
1685 Reg some Cracks	7513 7442	6508 6509	1213 1237	1300 1300	1323 1327	390 390
1686 Reg some Cracks	7459 7452	6510 6511	1210 1160	1293 1273	1313 1303	413 403
1884 Reg some Cracks	7489 7464	6512 6513	1193 1190	1283 1288	1310 1303	380 400

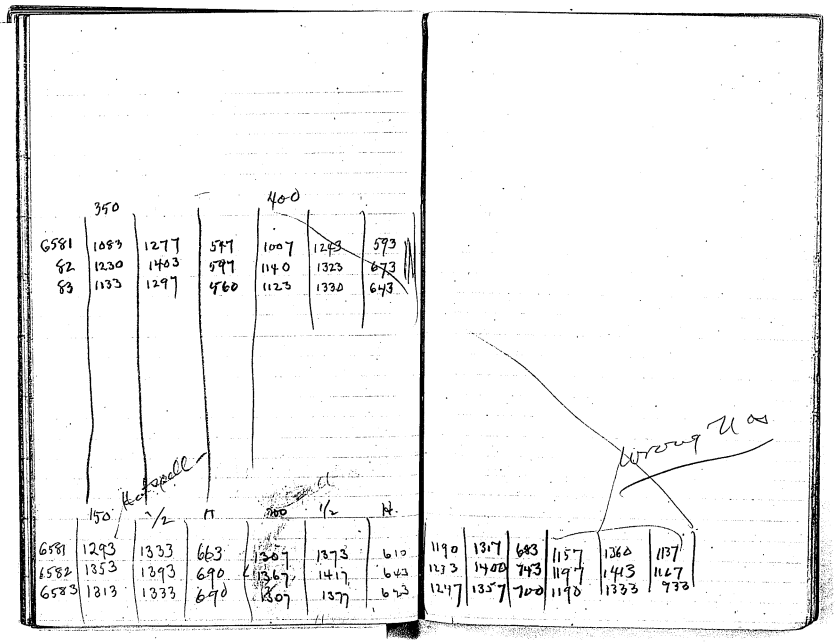

1688 Req
Some 6 Clocks
7554
7494
6514
6515
1210
1267
1293
1290
1293
1310
390
403
1689 Req
7459
7452
6516
6517
1200
1220
1263
1310
1303
1333
423
434
1690 Req
Some 6 Clocks
7462
7432
6518
6519
1190
1180
1263
1267
1290
1293
430
440
1691 Req
7595
7580
6520
6521
1143
1167
1247
1240
1263
1260
407
393
6 & Run
1692 Req
Some 6 Clocks
7408
7375
6522
6523
1110
1150
1187
1013
1210
1233
407
397
1203
1230
1233
1257
1693 Req
Some 6 Clocks
7552
7539
6524
6525
1200
1213
1317
1317
1333
1337
393
393
1694 Req
Some 6 Clocks
7505
7429
6526
6527
1200
1213
1300
1300
1333
1320
397
420
1695 Req
Some 6 Clocks
7470
7542
6528
6529
1197
1183
1303
1320
1327
1333
430
423

1696 Reg Some Blacks	7549 7624	6530 6531	1197 1233	1317 1338	1327 1350	417 434					
1697 Reg	7663 7605	6532 6533	1250 1217	1350 1317	1360 1333	424 457					
1698 Reg Some Blacks	7605 7434	6534 6534	1250 1233	1340 1320	1353 1330	447 423					
1699 Reg Some Blacks	7489 7440	6536 6537	1183 1163	1267 1273	1287 1293	407 393					
1700 Reg Some Blacks	7604 7665	6538 6539	1213 1220	1340 1320	1357 1340	400 370					
1701 Reg Some Blacks	7604 7544	6540 6541	1233 1213	1320 1264	1330 1284	417 453					
1702 Some Blacks	7620 7629	6542 6543	1257 1240	1327 1350	1340 1367	433 410					
Lot 98 f 23.7 4.1	7288 7315	6544 6545	1183 1190	1297 1320	1307 1310	337 373	1267 1307	1293 1343	493 490		
Lot 99 f 23.7 4.1	7351 7339	6546 6547	1197 1197	1317 1303	1337 1323	403 453	1317 1297	1347 1325	473 473		

Goldilocks 667 Mouth Cold Cone Mouth, no swap box 3 holes 24 days dry granular jelly -	7355 7222 7346	6548 6549 6550	1190 1197 1197	1267 1267 1263	1277 1277 1273	400 440 410	1257 1243 1250	1280 1273 1277	500 450 417
Goldilocks 670 Cone Mouth Cold - without Swap 23 days in 3 hole box -	7725 7645 7484	6551 6552 6553	1157 1157 1143	1270 1233 1260	1280 1257 1270	380 323 327	1277 1220 1273	1307 1247 1310	367 350 420
Goldilocks 672 Cone Mouth - Cold no swap - 24 days 5 Hole box	7720 7488 7793	6554 6555 6556	1167 1180 1170	1237 1250 1270	1263 1297 1297	313 327 376	1257 1283 1287	1280 1307 1310	400 407 410
Goldilocks 678 Cone Mouth Cold no swap - 24 days 3 hole box	7530 7501 7500	6557 6558 6559	1177 1173 1193	1270 1270 1270	1300 1293 1283	343 283 357	1277 1277 1250	1363 1293 1277	443 483 483
Goldilocks 673 Cone Mouth cold no swap - 24 days with cover off	7653 7728 7740	6560 6561 6562	1183 1170 1180	1313 1277 1293	1333 1313 1313	307 293 307	1307 1287 1313	1323 1317 1333	540 533 530
1703	7449 7463	6563 6564	1197 1197	1320 1270	1333 1283	437 470	1323 1260	1370 1287	630 600
1704	7476 7522	6565 6566	1197 1200	1307 1300	1327 1320	397 377			


6560 1243 1260 500
6561 1210 1230 530
6562 1240 1257 550

1709 Reg	7460 7544	6567 6568	1143 1170	1260 1290	1277 1303	393 437							
1708 Reg	7475 7514	6569 6570	1230 1230	1310 1310	1330 1330	430 447							
1707 Reg	7522 7520	6571 6572	1207 1198	1310 1280	1333 1297	457 463							
1706 Reg	7440 7417	6573 6574	1183 1153	1287 1243	1300 1267	467 523							
1709 Reg	7547 7639	6575 6576	1197 1197	1250 1283	1307 1307	570 617							
1710 Reg	7635 7638	6577 6578	1203 1210	1233 1233	1273 1273	600 580							
1711 Reg	7525 7546	6579 6580	1187 1187	1230 1217	1240 1230	480 467	1317 1273	1350 1323	603 584				
75/1000 Square ft Reg'n 26.8 3.9	7025 7175 7220	6581 6582 6583	1223 1226 1193	1260 1300 1240	1277 1313 1258	477 500 517	1327 1393 1344	1353 1423 1373	570 573 533				


350
400
6581 1083 1277 587 1007 1283 593
82 1230 1403 597 1140 1323 673
83 1133 1297 460 1123 1330 643
150
1/2
200
1/2
6581 1293 1333 663 1307 1373 610
6582 1353 1393 690 1367 1417 643
6583 1313 1333 690 1307 1377 623
1190 1317 683 1157 1360 1137
1233 1400 743 1197 1443 1167
1247 1357 700 1190 1333 933

Lower Brewery

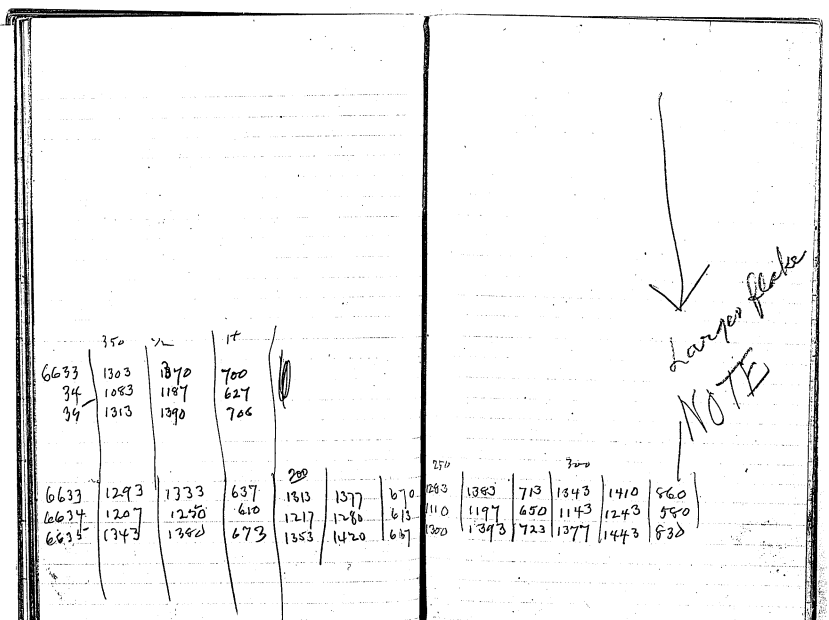
7/5/1060 dgr Flake -		6584	1193	1273	1287	363	1283	1303	533
Goldstar 390 2617	319 -	6585	1193	1270	1283	353	1357	1383	417
	7592	6586	1063	1277	1290	343	1343	1363	410
	7505								
	7590								
Goldstar 573.	7345	6587	1090	1100	1118	210	1193	1207	430
88f - 41 27	7325	6588	1077	1113	1127	180	1193	1207	430
No Noth. 23YN									
Goldstar 587	7516	6589	1113	1197	1207	183	1293	1313	447
240	7633	6590	1097	1170	1177	173	1267	1290	417
No Noth.									
Goldstar 694.	7385	6591	1077	1163	1120	270	1133	1167	397
Mat req way 520 Noth.	7403	6592	1050	1083	1103	294	1133	1167	397
Dried in box without cover	7340	6593	1080	1110	1130	283	1153	1180	393
20 days.									
Goldstar 671 - Cone Noth. dried		6594	1110	1110	1127	247	1143	1167	423
28 Days Covered box of flakes 7225		6595	1097	1080	1100	313	1127	1150	397
original precap not boiled or Poop 7180		6596	1117	1123	1137	290	1133	1163	390
21K2Li 7168									
Goldstar 685 - Mat req way 520		6597	1090	1117	1130	293	1160	1190	380
Noth. dried 22 Days Covered		6598	1103	1123	1133	310	1178	1193	373
box 2 holes - 7080		6599	1097	1127	1140	317	1163	1193	383
7125									
21K2Li 7115									
Goldstar 686 -		6600	1083	1127	1137	320	1177	1197	400
Req way 520 Noth. dried box		6601	1107	1160	1177	330	1227	1250	410
2 holes 19 Days 7890		6602	1127	1133	1153	307	1183	1207	384
7177									
7297									

6584	1263	1267	437	
6585	1293	1317	490	
6586	1233	1283	490	
6589	1263	1271	437	
6590	1237	1250	457	
~~6591~~				

Gold. Cem 688.					50			100		
Made new way 529 MaOH.	7051	6603	1103		1117	1130	287	1163	1183	387
Dried box 5/holes 21 days	7050	6604	1087		1120	1130	283	1173	1190	400
	7072	6605	1127		1110	1127	327	1157	1190	443
Gold. Cem 665	7461	6606	1127		1123	1147	280	1157	1183	353
from Cone MaOH. without Chloride	7532	6607	1157		1190	1210	303	1217	1243	360
Evap dried 31 days in box 1 hole	7550	6608	1153		1173	1193	300	1227	1250	390
Gold. Cem 666		6609	1080		1067	1093	273	1087	1120	350
Cone MaOH. without Chloride or	7900	6610	1067		1053	1067	277	1110	1130	390
Evap dried box 2 holes 31	7890	6611	1033		1030	1050	263	1053	1097	373
days	7980									
Gold. Cem 669	7645	6612	1140		1183	1207	317	1210	1240	527
Made from Cone Hot sat'd MaOH.	7574	6613	1110		1167	1183	263	1207	1237	503
without Evap dried 31 days	7570	6614	1103		813	1160	243	1210	1240	503
in box with holes in Cover										
Gold. Cem 674		6615	1060		1143	1160	267	1216	1233	377
Made from Hot Cone Sat'd MaOH.	7561	6616	1117		1207	1220	270	1250	1273	377
without Evap dried box	7644	6617	1117		1187	1207	240	1227	1253	397
without Cover 31 days	7600									
Gold. Cem 679		6618	1090		1143	1153	343	1207	1227	443
Made from Cone MaOH w/Cal in mix heated		6619	1087		1117	1130	347	1193	1213	503
for short time without Evap		6620	1080		1113	1130	320	1183	1203	493
dried 6 ox 1 hole 30 days	7775									
	7648									
	7722									

Goldcrest 696		6621	1063	1087	1110	347	1173	1193	457	
Made on Reg way with 525 Mastt. dried 20 days without Cover	7650 7634 7718	6622	1080	1100	1120	347	1173	1193	433	
		6623	1113	1153	1180	350	1217	1237	443	
Goldcrest 684.	7250	6624	1093	1110	1133	300	1160	1180	363	
Made reg way 520 Mastt. dried 60k 2 Nolen 27 days	7205 7295	6625	1100	1133	1167	347	1180	1200	388	
		6626	1097	1117	1153	350	1160	1180	370	
Goldcrest 689	7197	6627	1100	1130	1133	327	1177	1193	393	
Made reg way 520 Mastt. dried 60k 3 Nolen 26 days	7210 7175	6628	1140	1180	1190	383	1183	1203	397	
		6629	1103	1133	1157	350	1163	1183	400	
Goldcrest 698-	7610	6630	1050	1083	1113	290	1113	1130	373	
Made Reg way 525 Mastt. dried 20 days box without Cover	7630 7640	6631	1087	1130	1157	383	1110	1127	450	
		6632	1090	1130	1153	380	1157	1213	437	
Speed flake		6633	1203	1247	1267	477	1320	1343	513	
Ra 1256- 267 315f	7138 7090 7194	6634	1167	1177	1193	487	1247	1280	573	
		6635	1210	1230	1283	527	1397	1420	610	

NOTE


350
700
1303
1083
1313
1370
1187
1390
700
627
706
6633
34
34
6633
6634
6635
1293
1207
1343
1333
1250
1380
637
610
673
1313
1217
1353
1377
1280
1420
670
613
687
250
300
1283
1110
1300
1383
1197
1393
713
650
723
1343
1143
1377
1410
1243
1443
660
550
638
Larger flake
NOTE

Special Sale	6920	6636	1193	1243	1267	1487	1327	1347	527
75/1000 sqft	6945	6637	1227	1260	1287	1490	1357	1377	553
1756 Rea 28.7 sf	6925	6638	1207	1257	1287	1467	1330	1360	563
Special Sale	6830	6639	1230	1297	1307	1450	1360	1380	600
26.4 225 sf sale	6850	6640	1193	1250	1267	1380	1330	1350	577
75/1000 sf	6900	6641	1207	1243	1267	1420	1323	1343	583
Lot 100 sf	7402	6642	1187	1233	1247	1453			
few leaves	7525	6643	1207	1243	1253	1470			
1713 Reg	7675	6644	1223	1250	1260	1463			
few leaves	7620	6645	1180	1237	1250	1453			
1714 Reg	7845	6646	1193	1267	1290	1423			
few leaves	7755	6647	1183	1270	1293	1430			
1715	7725	6648	1157	1253	1283	1497			
few leaves	7700	6649	1163	1253	1267	1537			
1716	7760	6650	1200	1257	1270	1533			
few leaves	7735	6651	1220	1270	1293	1580			
1717	7830	6652	1217	1300	1310	1443			
few leaves	7725	6653	1213	1283	1300	1460			

				300		
6636	1240	1297	640	1267	1330	647
6637	1273	1303	633	1267	1347	647
6638	1283	1290	610	1243	1307	633
6639	1263	1297	657	1190	1303	667
6640	1237	1260	627	1133	1273	667
6641	1230	1250	600	1193	1313	630

250	½	H	360	½	thd
1173	1240	697	1240	1327	813
1130	1283	667	1220	1330	777
1127	1210	633	1133	1273	773
1043	1177	667	1083	1263	723
967	1117	630	987	1200	720
1030	1170	630	1000	1267	713

NOTE

Large flake

NOTE

3½ flake 1377 860 813

3 flake 1320 1083 723

2½ flake

3½ flake last

1718 Reg	7715	6654	1197	1267	1287	430					
few Cap	7739	6655	1207	1280	1290	430					
1719 Reg	7786	6656	1230	1287	1303	420					
	7815	6657	1237	1267	1307	393					
1720 Reg	7810	6658	1213	1280	1290	400					
	7840	6659	1240	1267	1283	383					
101 Flake	7346	6660	1183	1240	1260	427					
	7287	6661	1173	1227	1243	417					
1645 S.	7569	6662	1093	1200	1220	450					
	7502	6663	1077	1170	1183	423					
1721	7765	6664	1220	1283	1303	380					
	7750	6665	1213	1247	1257	350					
1712	7238	6666	1127	1187	1260	327	1193	1207	513		
two lt Cold Preap	7205	6667	1140	1213	1230	313	1207	1217	510		
1722	7776	6668	1196	1243	1287	493					
	7785	6669	1167	1180	1203	473					
1723	7781	6670	1157	1187	1203	463					
few Cap	7766	6671	1173	1180	1208	397					

1724 Reg few 6 Cap	7780 7793	6672 6673	1200 1183
1725 few 6 Cap	7724 7734	6674 6675	1197 1197
1726	7675 7710	6676 6677	1187 1213
1682 few 6 Cap	7765 7707	6678 6679	1177 1127
1683	7665 7730	6680 6681	1140 1157
Paddock 668 Hot Conc Mattf. drived in box 1 Hole 40 days	7162 7360 7280	6682 6683 6684	1180 1173 1153
Paddock 681 520 Mattf. drived con box 1 hole 30 days	7364 7368 7401	6685 6686 6687	1153 1150 1133
Paddock 683 520 mattf. drived box 1 hole 30 days	7165 7108 7120	6688 6689 6690	1117 1120 1133

1240	1260	400				
1207	1230	397				
1220	1247	353				
1227	1237	370				
1247	1260	400				
1300	1313	487				
1187	1197	483				
1183	1197	460				
1213	1233	480				
1203	1227	483				
1213	1247	460	1280	1310	452	
1190	1227	457	1257	1287	450	
1180	1210	457	1227	1260	460	
1200	1253	453	1280	1300	447	
1180	1207	393	1260	1283	410	
1177	1203	367	1260	1293	417	
1157	1183	367	1223	1253	417	
1177	1200	397	1247	1270	420	
1180	1203	457	1247	1270	443	

Goldsbrow 692. Conc Sol Matth. dried box without holes	7768 7800 7800	6691 6692 6693	1090 1097 1113	1147 1123 1167	1167 1147 1187	393 407 403	1210 1210 1243	1250 1247 1277	510 510 497	
1712 Ex Capt Dried on Covered pan 4th Coit	7551 7500	6694 6695	1107 1097	1177 1190	1190 1200	453 453	1247 1257	1250 1287	487 510	
1727 Reg Heavy gum	7793 7773	6696 6697	1207 1197	1277 1263	1287 1277	523 463				
1728 Reg	7743 7720	6698 6699	1217 1207	1263 1287	1297 1300	463 463				
1729 few Cax	7757 7793	6700 6701	1110 1103	1207 1177	1230 1200	450 390				
1730 few Cax	7692 7676	6702 6703	1167 1123	1210 1190	1223 1203	393 447				
1732 few Cax	7700 7730	6704 6705	1127 1127	1200 1190	1220 1213	407 407				
1733 few Cax	7761 7730	6706 6707	1183 1180	1243 1250	1257 1267	453 453				

Lot 102 ft	7345 7305	6708 6709	1127 1143	1223 1240	1243 1253	487 467
1731 Reg	7765 7707	6710 6711	1183 1127	1253 1233	1273 1243	487 447
1734 few blox	7421 7420	6712 6713	1220 1247	1240 1280	1267 1303	487 483
1735	7690 7773	6714 6715	1233 1223	1303 1300	1320 1317	443 413
1737	7745 7830	6716 6717	1193 1190	1293 1273	1307 1287	427 387
1738	7552 7569	6718 6719	1150 1157	1243 1250	1267 1277	430 430
1739	7665 7580	6720 6721	1213 1193	1280 1243	1317 1267	427 403
1740 few blox	7570 7470	6722 6723	1270 1250	1307 1290	1314 1307	557 5-66
1741 few blox	7470 7530	6724 6725	1017 1273	1257 1273	1270 1284	567 487

Notebook, N-13-11-01

Rome Co.
MFG. STATIONERS,
69 FULTON STREET,
NEW YORK.
45009

1/6 Co RA
Buyfat 1602 Ra
7121

12½/B; Ni Connecticut Co Cam
Wells Fgts Cam 7113
End Gash
7117 important
Ra, 1½ Co — 7121

1742 Reg	7615 7612	6726 6727	1243 1250
1743 Reg few blocks	7650 7589	6728 6729	1230 1267
1744 Reg few blox	7595 7630	6730 6731	1227 1247
1736 Reg few blox	7765 7500	6732 6733	1210 1190
1745 Reg heavy grease	7750 7743	6734 6735	1223 1220
1746 Reg blox	7770 7810	6736 6737	1227 1230
1747 Reg heavy grease	7810 7840	6738 6739	1243 1263
1748 Reg heavy grease	7772 7760	6740 6741	1263 1233
1749 Reg heavy grease	7786 7810	6742 6743	1267 1257

1253 1260	1267 1287	473 513
1243 1263	1253 1300	460 520
1287 1247	1307 1257	500 440
1233 1213	1247 1220	420 400
1237 1213	1250 1227	367 363
1263 1227	1290 1237	417 467
1293 1277	1303 1283	397 400
1250 1250	1297 1257	317 360
1263 1283	1277 1300	400 417

1712 Expt 7055	6744	1200
800 Lbs Cold pressup 7140	6745	1210
Disp of 6666-67		
1712 Expt 7285	6746	1130
Dried Cocoa Some with Cocoa 7293	6747	1153
Keep 6674-67		
1712 Expt 7819	6748	1180
Dried bottom Cake 7154	6749	1180
Covered press		
Regrind soaked 3 days	6750	943
— 3% KOH — butterfat soaked 7324	6751	953
part crisps 7306		
Neodepmium Hydroxide 7426	6752	3
273 4.1 lf		
Lanthanum Hydroxide 7.900	6753	3.
Goldslam 675 7660	6754	1200
Conc Soft Meth. dried 7600	6755	1193
Boxwellient Cocoa 7630	6756	1210
25 days		
Goldslam 676 7543	6757	1233
Conc Meth. Dried 7555	6758	1250
Boxwellient Cocoa 7530	6759	1250
35 Days		

Phenomenons

1230	1240	350	1290	1313	510	
1237	1250	467	1300	1327	517	
1173	1190	343	1270	1293	523	
1190	1220	400	1277	1300	523	
1200	1223	343	1300	1327	520	
1220	1233	373	1283	1310	477	
1147	1167	383				
1147	1163	363				
60	63	327				
53	60	327				
1267	1290	327	1317	1313	487	
1257	1290	327	1310	1337	477	
1277	1310	320	1343	1377	499	
1310	1330	350	1393	1423	313	
1327	1357	333	1407	1433	530	
1330	1357	333	1400	1430	547	

	150			200			250		
6754	1320	1367	607	1317	1377	703	1217	1363	670
6755	1303	1352	617	1283	1370	697	1193	1333	647
6756	1330	1383	650	1320	1397	690	1240	1393	667
6757	1400	1450	747	1350	1517	713	1240	1423	673
6758	1390	1433	723	1400	1490	677	1193	1400	657
6759	1397	1443	690	1377	1460	687	1220	1393	663

Goldish 680	7650	6760	1263
Conc NaOH. dried 60x	7650	6761	1267
5 hrs. 40 days	7605	6762	1260
Goldish 697	7285	6763	1233
325 gm NaOH.	7270	6764	1240
dried 33 days	7254	6764	1227
Goldish 702	7515	6766	1207
580 NaOH. dried	7460	6767	1207
24 days	7510	6768	1210
Rat 103 f.	7500	6769	1190
few leaves	7490	6770	1210
1750.	7731	6771	1270
	7630	6772	1250
1751	7762	6773	1253
	7720	6774	1243
1752	7605	6775	1220
	7800	6776	1223
1753	8010	6777	1193
	8008	6778	1197

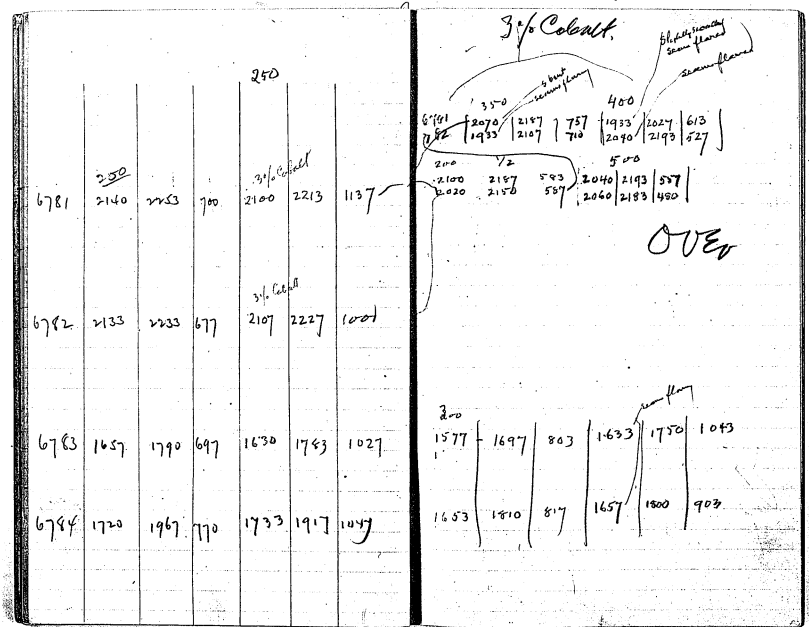
Seasonal Hgt. Expansion

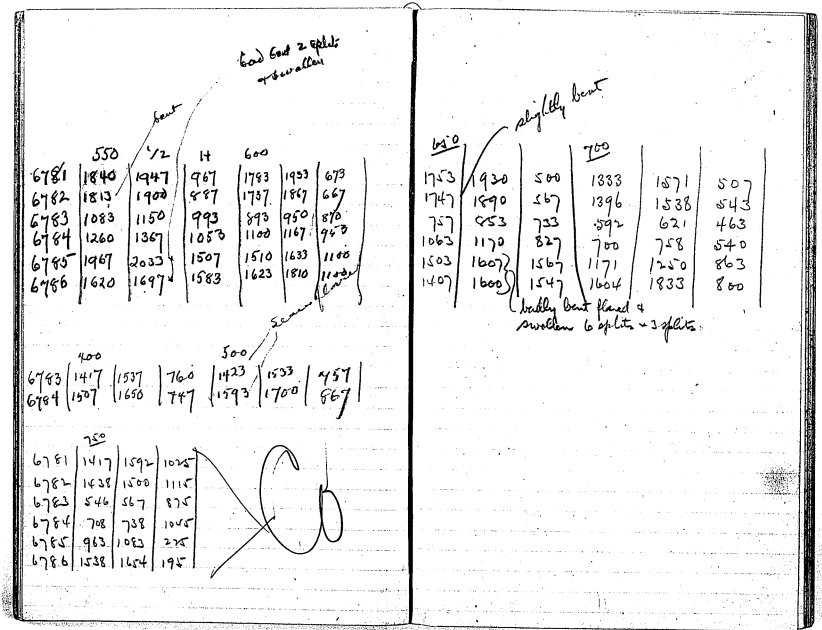
1343	1363	333	1410	573	
1333	1360	350	1387	550	
1330	1350	317	1400	567	
1277	1300	333	1343	1373	627
1313	1330	333	1393	1420	610
1280	1300	333	1370	1393	610
1327	1350	311	1397	1417	416
1330	1353	311	1393	1413	400
1347	1373	343	1413	1433	397
1247	1267	358			
1283	1307	363			
1303	1323	340			
1243	1260	352			
1280	1297	350			
1297	1317	363			
1260	1283	300			
1313	1330	300			
1260	1283	300			
1283	1303	340			

	150			200		
6760	1380	1430	653	1330	1442	677
6761	1393	1432	593	1363	1447	673
6762	1393	1447	617	1367	1452	673

1173	1367	647
1200	1390	673
1200	1360	657

1754 —	7786 7978	6779 6780	1227 1267	1313 1300	1327 1317	300 337							
1/8 liter 97 Spelf golden 663 = 3											150		
2 drops 1 316 2695 326 2711 323 2745 323 2745 long fiber 3% Cobalt + 1% Ammonium	.0009 .0078	6781	1893	2230	2273	417	2117	2143		2233 slightly hard + brittle	2283	710	
Dup of 6781 - 2754 2754 2743 2760		6782	1907	2243	2273	417	2100	2000		2200	2250	690	
Dup with flakes, 050 dpr foamy gels .0079 2725 2750 2795 2780		6783	1977	1907 1913	1933	417	1933	2000		1877	1973	823	
Dup of 6783 2730 2745 2771 2781		6784	1983	1953	1993	417	1877	1917		1993 Slightly hard + brittle	1997	850	


3% Cobalt
Slightly seamy
Seam flawed
Seam flawed
4 hour
seam flawed
400
6781
2070
1933
2187
2107
757
710
1933
2040
2027
2193
613
527
200
2100
2020
2187
2158
583
557
2040
2060
2193
2183
587
480
OVEr
250
3% Cobalt
6781
2140
2253
700
2100
2213
1137
3% Cobalt
6782
2133
2233
677
2107
2227
1001
6783
1657
1790
697
1630
1753
1027
6784
1720
1967
770
1733
1917
1047
300
1577
1697
803
1633
1750
1043
seam flaw
1653
1810
817
1657
1800
903


bad bad 2 split
swollen
bent
550
½
14
600
6781 1840 1947 967 1783 1993 673
6782 1813 1900 887 1737 1867 667
6783 1083 1150 993 893 950 870
6784 1260 1367 1050 1100 1167 968
6785 1967 2033 1507 1510 1633 1100
6786 1620 1697 1583 1623 1810 1120
seam
400
500
6783 1417 1537 760 1423 1533 957
6784 1507 1650 747 1593 1700 867
750
6781 1417 1592 1075
6782 1438 1500 1115
6783 546 567 875
6784 708 738 1045
6785 963 1083 275
6786 1538 1654 195
slightly bent
600
700
1753 1930 500 1333 1571 507
1747 1890 567 1396 1538 543
757 953 733 592 621 463
1063 1170 827 700 758 540
1503 1607 1567 1171 1250 863
1407 1600 1547 1604 1833 800
badly bent flared &
swollen 6 splits = 3 splits

1/8 Inbred Glucklein 621 368 D 97 9K 4	2974 2990 -0073 0009	2944 2993	6785	2440		2717	2733	1117	2560	2640	
			6786	2440		2747	2760	1227	2600	2650	
1754	7890 7892		6787 6788	1217 1213		1237 1243	1247 1260	338 367			
1756	7770 7790		6789 6790	1207 1217		1260 1237	1271 1255	387 352			
1256 — after hatching 2 yrs in 3½ Kent, drinkwater, wet several times, inside glass cool — 6 times wet — 3 times			6791 6792	1187 1143		1180 1177	1187 1183	410 400	1193 1207	1220 1227	513 550
Req run in Req sol Conductivity 2 grams in 25 cc water		M. 966) 4/15 8 - 7/15	6793 6794	1160 1147		1227 1223	1237 1233	417 430	1280 1283	1307 1307	577 564
Req as above except 2 grams from milk in Electrolyte			6795 6796	1153 1127		1263 1240	1277 1257	433 463	1313 1313	1333 1333	523 533
Req but each 2 grams Each of ½ milk + ½			6797 6798	1197 1180		1287 1287	1293 1297	437 430	1343 1347	1378 1373	560 620

2 tubes badly bent $

	150 lot			300		
6785	2433	2533	1900	2350	2450	1900
	← Tube in both cells					
	← bladder burst					
6786	2583	2633	1683	2240	2343	1893

				900		
6795	150 lot 1327	1360	622	1160	1330	630
6796	1300	1340	657	1163	1330	653
6797	1317	1353	627	1183	1360	657
6798	1317	1350	633	1217	1360	697

Bennett

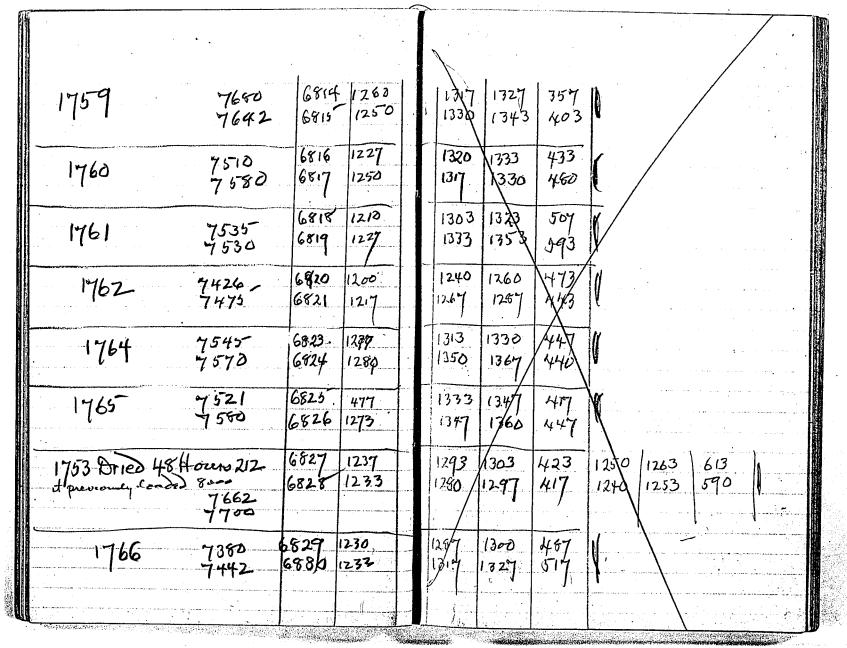
1960	2043	1170	1703	1850	1585	
1910	1967	1340	1470	1985	1650	

Brentwaller

	370	Bad bent swollen		400			
6785	2110	2143	17	2293	2307	1520	
6786	1810	1870	1813	1900	2027	1767	

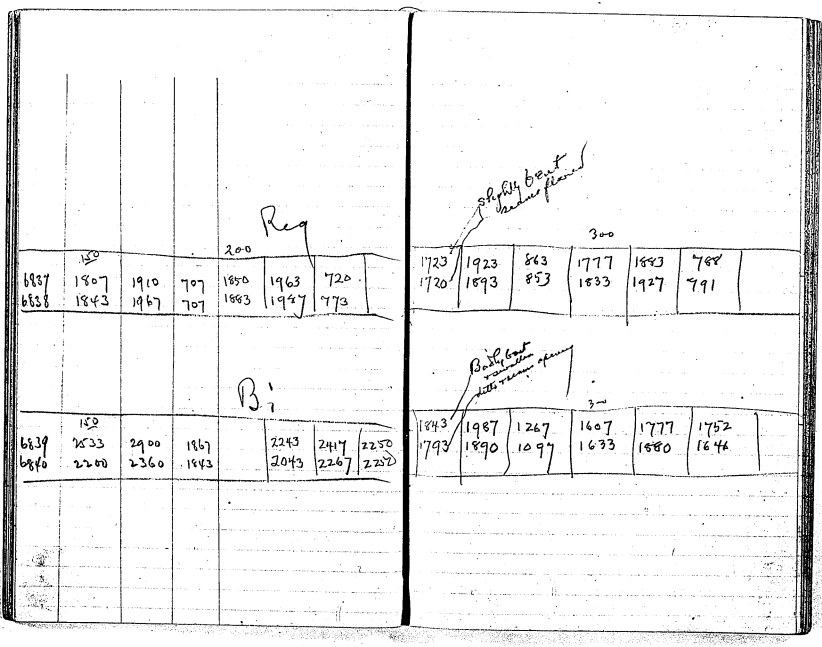
500	bad bent, swollen split + pressed		
	bad bent, swollen, seam flawed		
2017	2123	1130	
1983	2067	1113	

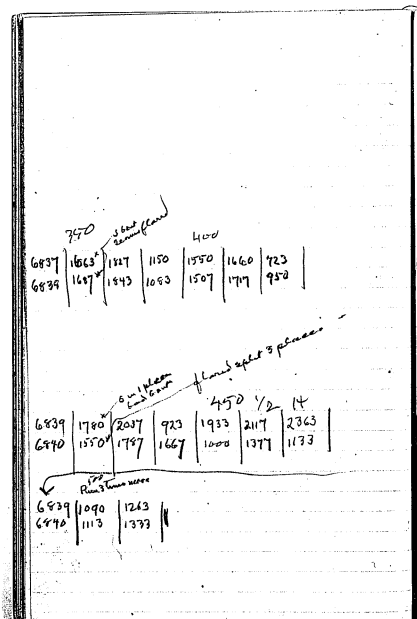
1757	7850 – 7925	6799	1180	1257	1247	357	1327	1353	493		
		6800	1160	1263	1273	810	1347	1373	503		
Hg0 Expt see book – Fe Iron cell – 4m Indm		6801	1917	1957	1987	530	1927	1950			
		6802	1817	1810	1830	477	1810	1833			
~~Ra1 X.~~											
Ra1 X	7600 – 7640	6804	1193	1313	1330	377	1303	1330	527		
		6805	1207	1273	1298	823	1267	1300	533		
Ra Y	7514 – 7572	6806	1203	1350	1363	480	1327	1357	660		
		6807	1167	1247	1260	310	1223	1243	630		
Ra Z	7655 – 7630	6808	1187	1280	1297	333	1253	1250	543		
		6809	1180	1287	1327	333	1283	1303	526		
104f 4.2 24 –	7345 – 7294	6810	1167	1297	1310	350					
		6811	1193	1297	1319	863					
1758 Ra1	7508 – 7462	6812	1210				1287	1310	526		
		6813	1240				1303	1323	480		

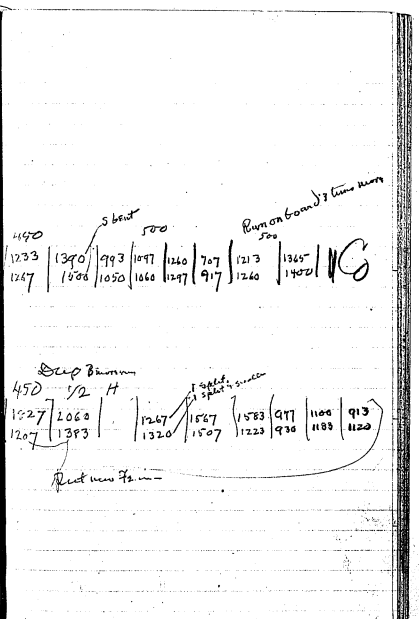


1759	7680 7642	6814 6815	1260 1250	1317 1330	1327 1343	357 403				
1760	7510 7580	6816 6817	1227 1250	1320 1317	1333 1330	433 460				
1761	7535 7530	6818 6819	1210 1227	1303 1333	1323 1353	507 493				
1762	7426 7473	6820 6821	1200 1217	1240 1267	1260 1267	473 443				
1764	7545 7570	6823 6824	1287 1280	1313 1350	1330 1367	447 440				
1765	7521 7580	6825 6826	477 1273	1333 1317	1347 1360	417 447				
1753 Dried 48 Hours 212 Hpreviously Loaded 8000 7662 7700		6827 6828	1237 1233	1293 1280	1303 1297	423 417	1230 1240	1263 1253	613 590	
1766	7380 7442	6829 6830	1230 1232	1297 1317	1300 1327	487 517				

				shifty tent,						
1767	7536	6831	1280	1304	1313	447				
	7500	6832	1297	1320	1333	450				
1768	7580	6833	1267	1323	1337	430				
	7535	6834	1250	1303	1320	430				
1769	7420	6835	1283	1323	1333	390				
	7515	6836	1257	1360	1317	343				
1/8 in tube Hydrate 1634 Illin 50 on 190 0078 fluke 97 050 sqpr 0009 Ant 2,750 average D 365 003 stock smacc perf		6837	1983	2300	2317	390	1933	1983	613	
		6838	2067	2310	2340	470	1967	2010	650	
Dup 621 green 12% Bi - 0073 - fl 97 050 sqpr 0009 352 D 003 stk smacc 2,940 cut perf		6839	2517	3213	3340	1900	2600	2847	1300	
		6840	2450	3060	3083	1933	2550	2767	1300	
1770	7575	6841	1283	1327	1343	423				
	7512	6842	1257	1330	1343	433				


Reg
B1
slightly bent
Badly bent
150
200
300
6837
6838
1807
1843
1910
1967
707
707
1850
1883
1963
1947
720
773
1723
1720
1923
1893
883
853
1777
1833
1883
1927
768
791
6839
6840
2533
2600
2900
2360
1867
1843
2243
2043
2414
2267
2250
2250
1843
1793
1987
1890
1267
1097
1607
1633
1777
1880
1752
1646


7450
4 beat
6839 1663 1207 1150 1550 1660 723
6839 1687 1843 1083 1507 1747 958
4450 1/2 14
6839 1780 2037 923 1933 2117 2363
6839 1550 1787 1667 1000 1377 1133
Run 3 times more
6839 1090 1263
6848 1113 1373


4450
5 beat
500
Run on board 3 times more
500
1233 1390 993 1097 1260 707 1213 1365
1267 1508 1050 1066 1297 917 1240 1402
Drop Bomm
450 1/2 H
1227 2060 1267 1567 1583 977 1100 913
1207 1383 1320 1507 1223 936 1183 1120
Run two times more

1771	7549 7520	6853 6844	1267 1280	1320 1320	1333 1333	410 427					
1772	7594 - 7543	6845 6846	1283 1267	1350 1327	1360 1343	397 387					
104f 1256 Tri -	7290 7310	6847 6848	1290 1209	1267 1290	1280 1300	380 397					
1411 RA baked 48 hours 212 -	7280 - 7325	6849 6850	1183 1198	1213 1263	1223 1220	337 310	1213 1267	1233 1220	583 569		
1773	7500 7550	6851 6852	1237 1267	1280 1297	1293 1310	310 323					
1774	7531 7499	6853 6854	1303 1290	1387 1387	1400 1393	447 450					
1763 Expt	7343 7426	6855 6856	1173 1177	1320 1280	1337 1297	410 452					
Anode flake 21KOH 2 gms. alum 2 each 100 cc Current 8 amp ohm made by greenly		6857 6858	1250 1243	1343 1317	1360 1317	447 467					

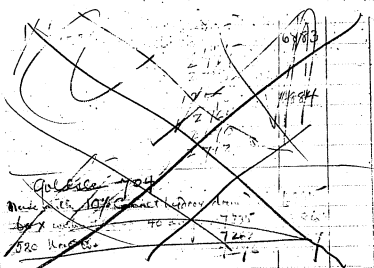
Don't hurt

Anode of Cake 7120 21K 2 gms Na Silicate 7150 Greenley for 100cc stamp & leave	6859 6860	1267 1230	1360 1363	1377 1383	453 460	Don't Heat,			
Greenley Anode of Cake Silicate Soda in Roll. 2 grm per 100cc Roll.	6861 6862	1270 1273	1380 1377	1397 1397	423 453	Don't Heat			
Greenley Cathode of Cake 2 grm Sodium Silicate 100cc Roll, Stamp & leave	6863 6864	970 1017	1053 1100	1070 1127	450 430 Heat 5	1060 1027	1083 1063	547 540	
[illegible]	6865 6866	1200 1183	1300 1290	1317 1303	417 477	Don't Heat			
1727 Dried 48 hours at 212 Fah. 7420. 7357.						Heated			
Cal Cake 677 7220 Taken from by Cathod 7204 677 Dried 2 hours 120 gms. 7238 5 Hours in Cover 50 days	6867 6868 6869	1217 1220 1207	1327 1330 1333	1347 1353 1357	330 350 340	1243 1247 1243	1260 1257 1263	430 453 443	
Cal Cake 690 - empl 21 11 Cake Not Dried 2 7098 mouth in box Covered 7091 without Holes 7058	6870 6871 6872	1170 1173 1203	1273 1270 1283	1297 1293 1280	403 413 420	1187 1187 1220	1227 1223 1270	463 463 503	

Gold Lab 691	7078	6873	1173	1230	1250	400	1227	1247	493	Hot
Coho Malt. dried	7090	6874	1203	1253	1273	477	1287	1267	547	
Covered box cultural	7056	6875	1187	1240	1260	407	1230	1253	483	
Hops 2 months										
Gold Lab 693	7290	6876	1243	1327	1350	410	1287	1317	503	Hot
520 grm Malt, dried	7320	6877	1243	1347	1367	403	1287	1383	517	
box cultural Cover	7260	6878	1267	1367	1390	397	1297	1313	524	
2 months										
1589-RA	7540			1297	1310	457				
Dried 48 Hours	7680	6879	1187	1293	1317	460				
212° Fahr		6880	1203							
1634 RA	7500	6881	1183	1313	1327	450	1260	1287	583	
Dried 48 hours 212°	7450	6882	1177	1293	1310	457	1253	1267	577	
Gold Lab 704	7235	6885	1217	1333	1350	367	1257	1277	470	Hot
Made with 10% Cobalt	7262	6886	1220	1357	1367	367	1297	1217	523	
Dried box cultural	7276	6887	1220	1360	1370	367	1293	1217	583	
Room 40 days 520 grm										
Malt.										
250 particles burned, seam flaw										
6883 1967 2104										
84 2168 2179										
10 KeV — Co —										

	150	1/2	#	200	1/2	#
6885	1333	1363	463	1247	1380	571
6886	1363	1387	510	1307	1383	597
6887	1350	1370	517	1307	1363	597

1167	1330	583
1177	1330	590
1243	1390	657



1/8 Tube – Burning steel
21K24 10 grms NaCl
Each ccc

2590	2765	6883
2764	2767	6884
2670	2779	
2713	2779	

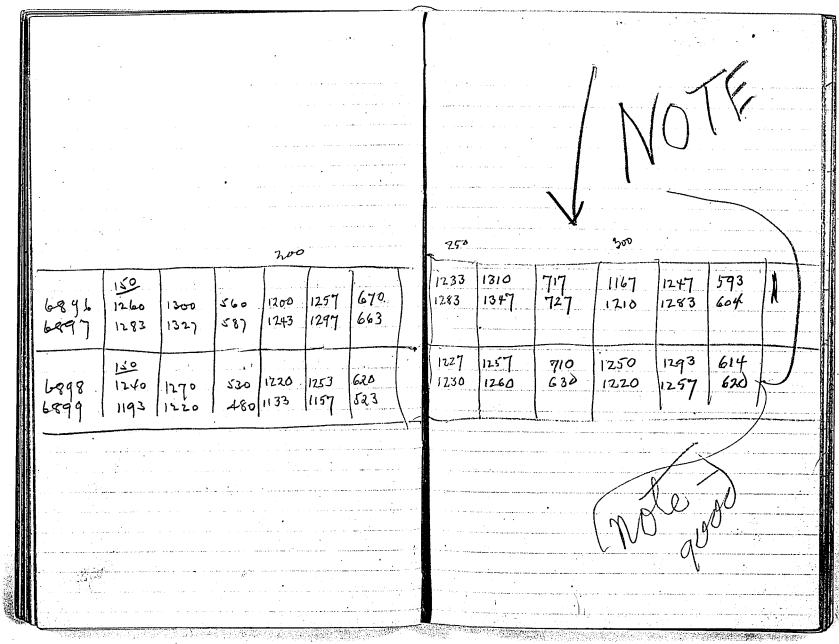
2046	2092	721	
2013	2042	721	

OK stop for following Reams

Reg. 1256 – Digested 24 hours in 21 KOH 24 grms Silicate Soda by greenley + 21K24

7197	6888	1317	1327	433	No Heat
7068	6889	1323	1340	480	

Reg Ni deposited 24 hours in 21% KOH. 2 gms aluminum granules	6890 6891			1243 1288	1260 1217	533 600	Hurt only little	
Anode flake, greenish 21% KOH deposited 24 hours with ferrous hydrate	6892 6893	1150 1167		1283 1277	1300 1300	410 400		
Cathode flake Samson 6892	6894 6895	1170 1150		1290 1291	1313 1313	440 423		
Silver plated tube. greenish Reg Ni 7121 7026	6896 6897	1157 1160		1290 1290	1303 1307	417 393	1250 1257	1270 1277	560 543
Cobalt plated tube. greenish Reg Ni 6956 6139 ?	6898 6899	1097 1083		1180 1143	1197 1160	370 360	1147 1127	1210 1173	517 473
Lot 105 flake.	6900 6901	1223 1263		1313 1300	1327 1317	407 393	1247 1227	1273 1243	560 537 Note
Det. of Pearson & Company -				105 Tmm	Not				
1775 - 7465 7473	6902 6903	1227 1207		1237 1227	1258 1246	546 535			
1776 7070 7470	6904 6905	1233 1237		1253 1273	1260 1280	563 546			


NOTE
note good

	350			400 pk		
6898	1250	1330	683	1260	1337	677
6899	1190	1223	633	1223	1257	650
	500			550		
6898	1253	1303	763	1227	1303	760
6899	1237	1270	767	1247	1247	757

NOTE
Co

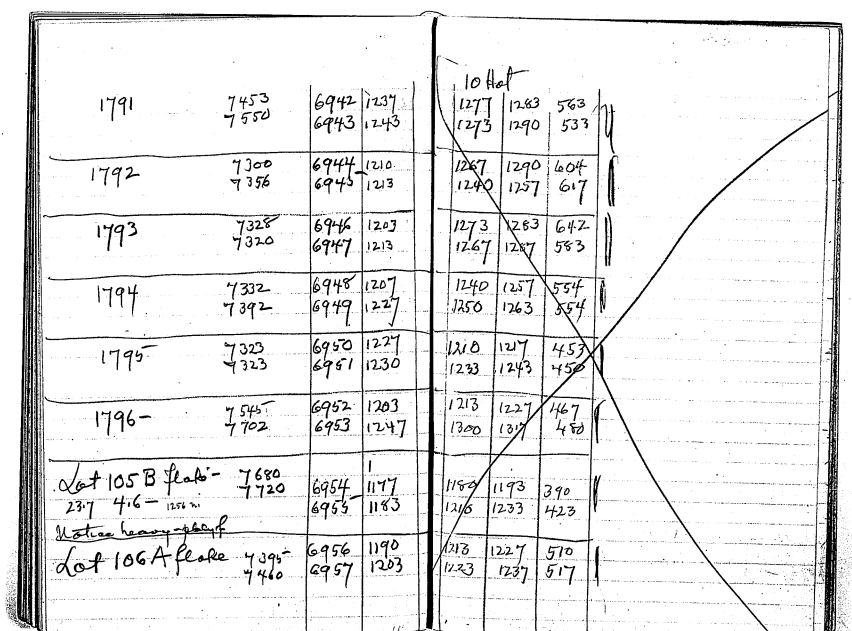
600			650		
1140	1213	737	917	1073	803
1170	1230	753	1057	1087	800

Note
High

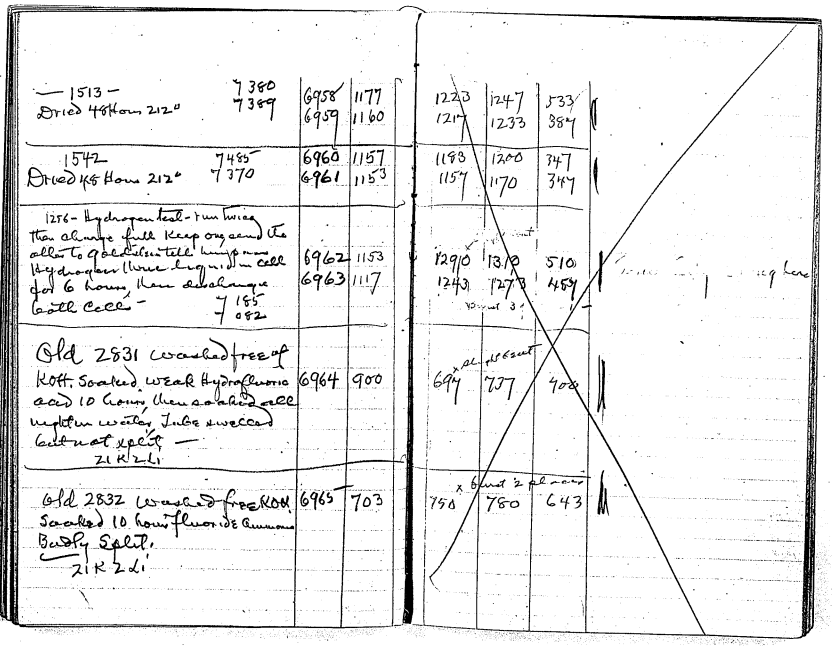
1777	7451 7490	6906 6907	1230 1227
1778	7560 7590	6908 6909	1227 1227
1779	7624 7543	6910 6911	1240 1210
1780	7415 7550	6912 6913	1217 1197
1781	7420 7461	6914 6915	1193 1207
1782	7590 7635	6916 6917	1220 1253
1783	7481 7539	6918 6919	1200 1200
1784	7475 7390	6920 6921	1227 1197
1213 — Dried 48 Hours 212°	7420 7370	6922 6923	11.53 1153

10 Hot	½	H	
1260	1267	533	0
1270	1280	546	
1267	1277	563	1
1280	1290	564	
1273	1280	558	0
1250	1260	550	
1250	1260	563	1
1233	1247	558	
1230	1240	571	1
1257	1263	579	
1243	1257	550	1
1273	1290	583	
1253	1263	575	1
1263	1267	613	
1253	1297	646	1
1299	1290	629	
1283	1300	487	1
1287	1277	492	

1244	7453	6924	1160	1310	1327	393	
Dried 48 Hours at 212°	7410	6925	1163	1297	1307	403	
1785	7572	6926	1223	1267	1293	708	
	7579	6927	1217	1253	1267	696	
1786	7440	6928	1197	1260	1267	500	
	7517	6929	1207	1316	1317	558	
1787	7642	6930	1200	1257	1267	573	
	7593	6931	1210	1293	1300	567	
1464	7324	6932	1147	1278	1283	470	
Dried 48 Hours 212°	7225	6933	1143	1260	1287	460	
1486 1	7235	6934	1147	1257	1277	450	
Dried 48 hours 212°	7334	6935	1177	1260	1280	423	
1788	7485	6936	1227	1287	1293	550	
	7514	6937	1237	1293	1300	550	
1789	7570	6938	1248	1290	1297	525	
	7469	6939	1240	1307	1313	554	
1790	7560	6940	1233	1287	1293	542	
	7575	6941	1230	1287	1293	513	

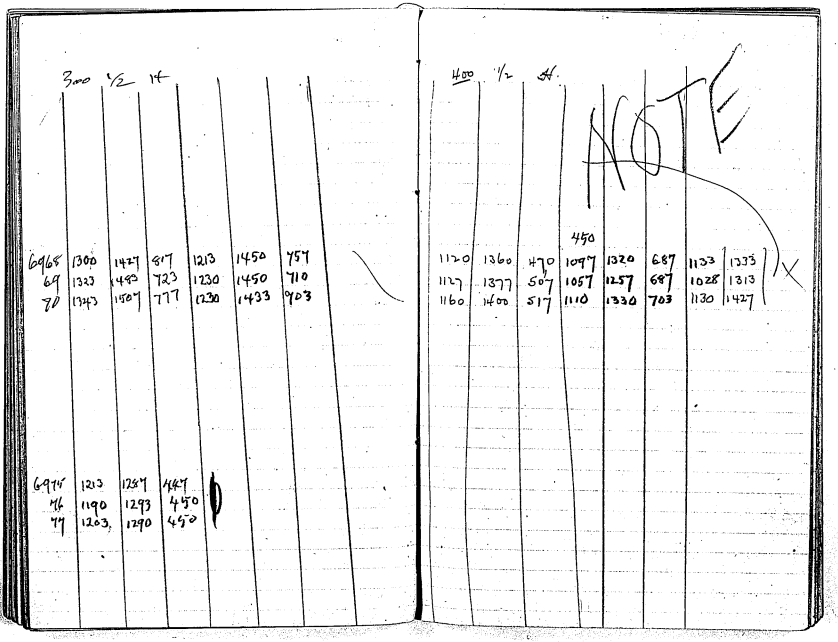


				10 Hot		
1791	7453 7550	6942 6943	1237 1243	1277 1273	1283 1290	563 533
1792	7300 7356	6944 6945	1210 1213	1267 1240	1290 1257	604 617
1793	7328 7320	6946 6947	1203 1213	1273 1267	1283 1287	642 583
1794	7332 7392	6948 6949	1207 1227	1240 1250	1257 1263	554 554
1795	7323 7323	6950 6951	1227 1230	1210 1233	1217 1243	453 450
1796	7545 7702	6952 6953	1203 1247	1213 1300	1227 1317	467 480
Lot 105B flake 23.7 4.6	7680 7720	6954 6955	1177 1183	1180 1216	1193 1233	390 423
Lot 106A flake	7395 7460	6956 6957	1190 1203	1213 1233	1227 1237	510 517

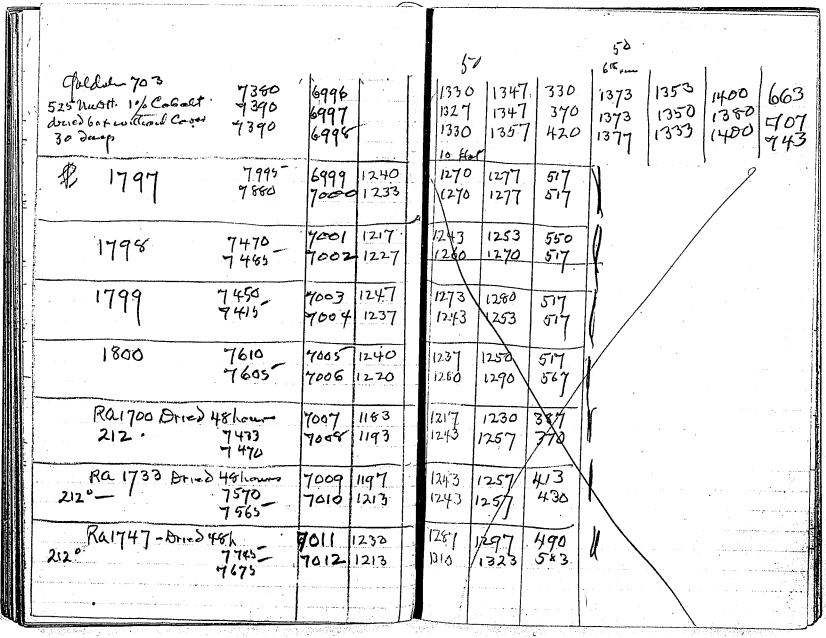


Reg M066, soaked weak runners in 9% KOH, but only 2 days or 50 hrs. Dan't split, wrinkled when dry. Fresh KOH. No Black 7002	6966	947		1167	1157	573				
Dup with 6% — lot Black mother 7105	6967	910		1133	1157	373				
							50	100		
Goldvlan 705 — big Cattle —				3rd Run			6th Run			
1% Cobalt — 7500 7505 7469	6968	1171		1297	1310	377	1330	1367	1397	
	6969	1213		1343	1360	370	1380	1360	1417	
	6970	1207		1343	1360	317	1377	1344	1413	
Reg Ni Inbs concealed to Can 7250 7250	6971	927								
	6972	890		1120	1124	333	1183	1218	483	
				1013	1020	420	1120	1130	457	
Reg Ni — Irons concealed to Can — 7350 7320	6973	1110		1180	1197	360	1227	1253	610	
	6974	1123		1000	1260	347	1173	1237	553	
							50 60			
Goldvlan 658	6975	885		1267	1287	367	1290	1297	1320	510
5lb gram Natt 1% Cobalt. 7010 dried in Gas collected Coon 7000 7060	6976	1133		1230	1243	333	1273	1267	1293	570
	6977	1130		1237	1250	523	1267	1280	1307	613

										250			
6968	150 1310	½ 1503	¼ 767	200 1243	1470	600	1297	1437		1287	1433	650	
6969	1267	1477	740	1283	1520	597	1380	1480		1370	1500	700	
6970	1287	1487	700	1443	1520	657	1450	1530		1400	1527	713	
										300			
6971	150 1160	1273	477	1050	1147	620	1200	1270	617	1137	1223	547	1
6972	1123	1247	557	1083	1103	530	1173	1213	650	1143	1190	560	
6973	150 1233	1273	527	867	1147	607	1243	1323		1193	1300	590	1
6974	1207	1250	530	1183	1253	610	1183	1260		1177	1257	590	
6975	150 1300	1353	627	1263	1384	683	1310	1387		1310	1363	735	
6976	1273	1333	590	1213	1393	583	1467	1530		1281	1347	785	
6977	1293	1337	543	1213	1360	553	1463	1523		1283	1353	748	


3,000 1/2 14
6968 1300 1427 817 1213 1450 757
69 1323 1485 723 1230 1450 710
70 1343 1507 777 1230 1433 903
6976 1213 1284 1447
76 1190 1293 450
77 1203 1290 450
400 1/2 A.
NOTE
450
1120 1360 470 1097 1320 687 1133 1333
1127 1377 507 1057 1257 687 1028 1313
1160 1400 517 1110 1330 703 1130 1427

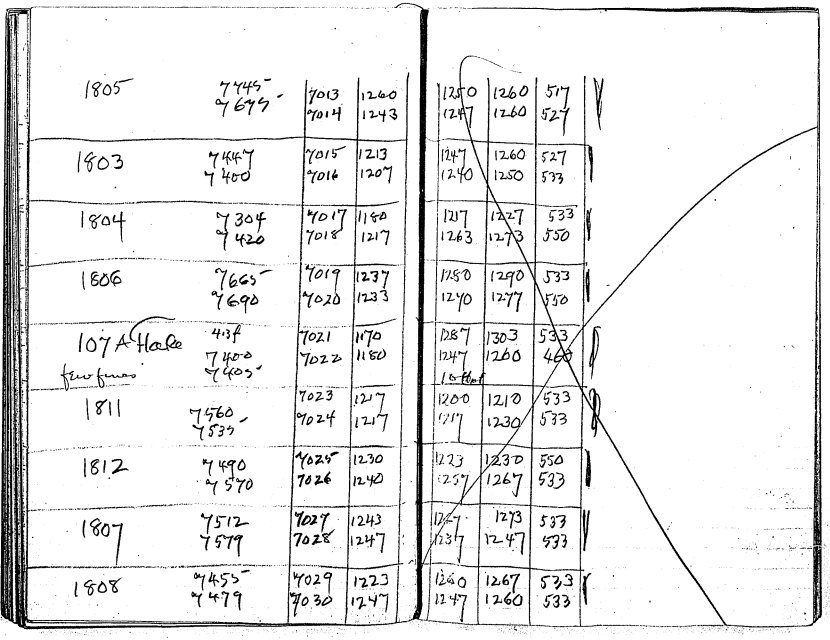
Old 2830 Soaked 24 hours Conc Ammonia then 24 hours water		6978	847	737	487	416			
Goldslam flake	7292			1163	1187	377			
Separated on $CuSO_4$ $CuCl_2$	7345	6979	1103	1213	1233	380			
Sol in 8 hours	7345	6980	1180	1160	1120	383			
240 Temp 5.4 to Temp		6981	1120						
Lot 106 B flake	7295	6982	1183	1173	1183	390			
243 — 1?	7304	6983	1170	1213	1223	434			
Goldslam 695	7500	6984	1117	1127	1153	317			
Made 520 NaOH dried	7455	6985	1150	1133	1163	314			
60x without Cover 35 days	7434	6986	1100	1133	1160	314			
Goldslam 699	7650	6987	1127	1160	1173	317			
520 NaOH, 45 days open 60x	7630	6988	1127	1197	1220	327			
	7600	6989	1077	1150	1140	317			
Goldslam 700	7410	6990	1157	1220	1233	407			
520 NaOH 45 days in 60x	7390	6991	1147	1193	1210	363			
without Cover	7380	6992	1250	1200	1213	393			
Goldslam 701	7415	6993	1233	1280	1293	366	1303	1323	607
520 NaOH in 60x without	7413	6994	1237	1303	1360	367	1377	1423	627
Cover 45 days	7380	6995	1227	1233	1350	403	1377	1400	637



	150			240		
6q96	1310	1667	622	1200	1470	610
6q97	1270	1630	597	1263	1423	653
6q98	1193	1483	597	1093	1440	647

450			300		
1277	1390	661	1117	1280	490
1277	1377	951	1143	1293	533
1343	1453	795	1306	1463	570

NOT



1805	7445 7695	7013 7014	1260 1243	1250 1247	1260 1260	517 527	
1803	7447 7400	7015 7016	1213 1207	1247 1240	1260 1250	527 533	
1804	7304 7420	7017 7018	1180 1217	1217 1263	1227 1273	533 550	
1806	7695 7690	7019 7020	1237 1233	1180 1240	1290 1277	533 550	
107 A Hoole from fence	437 7400 7405	7021 7022	1170 1180	1287 1247 10 Roof	1303 1260	533 460	
1811	7560 7539	7023 7024	1217 1217	1200 1217	1210 1230	533 533	
1812	7490 7570	7025 7026	1230 1240	1223 1257	1230 1267	550 533	
1807	7512 7579	7027 7028	1243 1247	1247 1237	1273 1247	533 533	
1808	7455 7479	7029 7030	1223 1247	1260 1247	1267 1260	533 533	

Reg'ni Positive plate to Cam	7048 7110	7031 7032	1183 1217	1193 1163	1213 1177	377 340	1277 1220	1297 1233	490 497	
Reg'ni Pz plate to Cam		7033 7034	1177 1150	1290 1283	1313 1273	377 387	1267 1293	1300 1327	580 637	
Reg'ni 1 grm primer load Hydrat middle –		7035 7036	1090 1147	1233 1160	1250 1177	443 240				
Dup of "7035" 3 grms Pb hydrox		7037 7038	1110 1160	1163 000	1190 000	440 237				
Reg'ni – 1 grm Manganese hydrox Each case		7039 7040	1173 1157	1283 1263	1293 1280	490 487	1263 1260	1500 1290	823 857	?
Reg'ni 3 grms Manganese hydrox		7041 7042	1157 933	1327 1237	1343 1250	443 390	1320 1240	1350 1267	857 827	
Reg'ni. 1 grm Zinc hydrox Each case –		7043 7044	1177 1187	1093 1093	1103 1103	487 487				
Reg'ni. 3 grms Zinc hydrox		7045 7046	1140 1153	1057 1057	1013 1063	667 737				
1809	7705 7545	7047 7048	1220 1200	1257 1230	1263 1243	533 587				

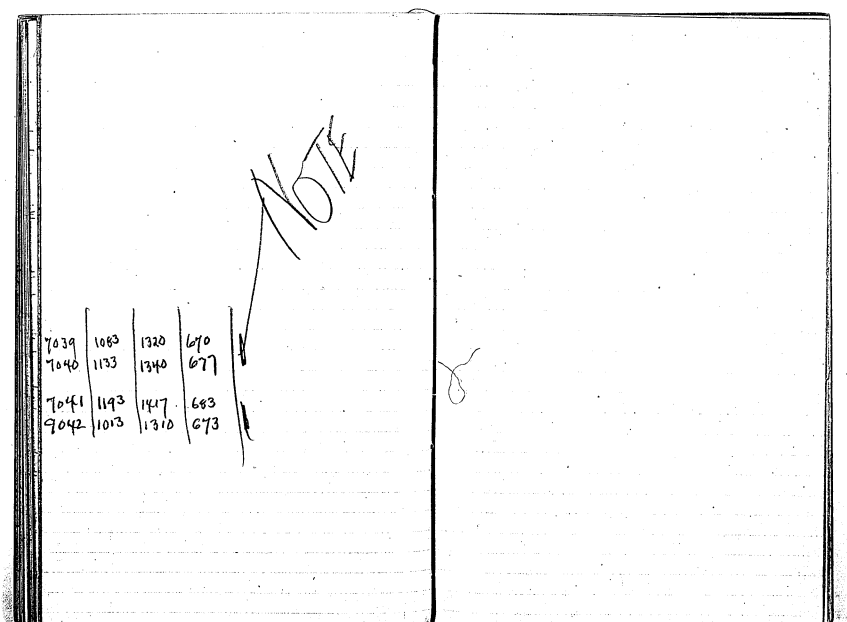
Pz + covered thick gray deposit.
Small amount deposit –

	150			200	1/2	H
7031	1303	1347	610	1133	1193	627
7032	1220	1260	530	1183	1277	607
7033	1220	1307	630	1050	1333	713
7036	1263	1310	607	600	1350	673

	250	1/2	H			
	1090	1190	670	1047	1177	627
	1127	1247	693	1037	1200	630
	1183	1397	677	1017	1270	607
	1080	1267	707	1023	1247	600

	150			200		
7039	1333	1390	650	1237	1488	727
7040	1317	1273	630	1360	1413	727
7041	1333	1413	623	1310	1467	683
7042	1247	1407	623	1200	1397	733

	150					
	1353	1410	805	1217	1390	633
	1330	1390	931	1263	1387	647
	1363	1450	941	1257	1430	690
	1223	1413	988	1117	1337	650


NOTE
7039 1083 1320 670
7040 1133 1340 677
7041 1193 1417 683
7042 1013 1310 673

				10	1/2	11	
1810	7570 7626	7049 7050	1210 1220	1227 1227	1240 1237	587 593	
1813	7678 7606	7051 7052	1263 1190	1230 1213	1243 1227	593 547	
1814	7620 7634	7053 7054	1220 1223	1253 1247	1260 1257	550 547	
1815	7525 7832	7055 7056	1210 1243	1257 1253	1260 1263	547 557	
1816	7625 7570	7057 7058	1207 1187	1253 1243	1260 1280	557 567	
1817	7590 7580	7059 7060	1230 1227	1250 1247	1260 1257	560 563	Rust on 21 KOH, 6 opens 2 LiOH Rust on 3 Turns Then Shutdown Rust on 2 KOH 1 LiOH + Rust Hot
1818	7635 7505	7061 7062	1237 1243	1243 1263	1243 1273	550 563	6 Turns 1383 1393 1380 1390 mow on Hot
1819	7630 7705	7063 7064	1233 1233	1247 1253	1287 1263	580 567	7 Turns 1310 1340 567 1307 1330 557
1820	7750 7625	7065 7066	1230 1227	1247 1257	1257 1263	583 580	

Note
Wants vitrified sewer

1821	7865	7067	1197
	7857	7068	1213
Lot 107 ff 4.3f	7360	7069	1170
few fine chestnuts	7426	7070	1200
1822	7545	7071	1200
	7570	7072	1177
1823	7597	7073	1200
	7590	7074	1190
1824	7594	7075	1183
	7620	7076	1213
1/8 tubes Dup 6883 only 8 Rungs on instead of 4— Rem Reg—		7077	
		7078	
1825	7370	7079	
	7474	7080	
1826	7610	7081	
	7600	7082	

1220	1227	523	
1230	1237	510	
1243	1253	533	
1253	1263	583	
1223	1230	537	
1237	1243	557	
1217	1227	550	
1223	1230	540	
1247	1257	547	
1250	1263	563	
1963	2070	588	
1942	2004	586	
1240	1250	583	
1263	1270	597	
1233	1247	573	
1267	1277	590	

Seems slightly flawed 4th Rung in 1824 and slight rupture at top one tube as evidence from 7 Stamps in Set

100.		
2046	2150	688
1958	2058	742

200

7077	1796	2038	887	2058	2242	1455
98	1708	1950	938	1867	2150	1434

Seam flawed badly in two places

1725	1938	950	1600	1754	995	
1570	1833	1038	1454	1713	1050	

350

large break seam flawed. seams slightly flawed.

1827	7590 7595	7083 7084		1253 1230	1263 1240	603 563			
1828	7725 7750	7085 7086	1273 1257	10 1303 1273	1313 1283	467 447			
1829	7646 7660	7087 7088	1260 1273	1307 1293	1317 1303	457 490			
Rapid 1763. pit called dated 4th sheep covered farm	7154 7192	7089 7090	1163 1210	1340 1347	1353 1360	347 360	1347 1363	1370 1367	463 460
1830	7675 7800	7091 7092	1280 1287	1297 1280	1307 1293	443 437			
1831	7647 7588	7093 7094	1250 1233	1277 1257	1290 1267	440 450			
1832	7510 7530	7095 7096	1233 1247	1240 1287	1253 1297	433 457			
1833	7757 7770	7097 7098	1260 1268	1260 1267	1273 1280	440 453			
1834	7670 7665	7099 7100	1277 1263	1287 1287	1297 1300	480 462			

	150		200			
7089	1297	1347	550	1200	1327	620
7090	1207	1250	550	1260	1325	637

250			Nat		
1250	1400	650	1057	1247	620
1193	1330	603	1027	1240	617

Lot 108 fl A	7375	7101	1243	1343	1357	500				
4:3	7430	7102	1253	1333	1380	483				
Recalescence at 260°							130			
RA Reg Quenchcaking test		7103	1230	1307	1327	457	1327	1357	577	
Tetra Decpz.		7104	1230	1310	1330	510	1343	1272	630	
Reg'n Quenchcaking test.		7105	1090	1120	1130	327	1172	1190	497	
Connected 14 to Conn Standard		7106	1197	1127	1143	417	1257	1277	547	
1835	7693	7107	1260	1247	1287	467				
	7678	7108	1287	1293	1307	467				
1836	7738	7109	1160	1207	1227	450				
	7690	7110	1167	1247	1253	467				
108B flake.	7505	7111	1143	1303	1320	510				
4:6 -	7417	7112	1147	1263	1280	467				
Goldstein 12% Bismuth.		7113	1320	1543	1563	840	1527	1553	777	
Nickel Connected to Conn	7595	7114	1147	1433	1458	423	1477	1510	807	
Goldstein 621 12% Bi		7115	1340	1458	1557	697	1380	1642	957	
9/2 Connected to Conn		7116	1478	1500	1636	1010	1400	1590	1040	

	150		200			
7103	1323	1397	670	1220	1357	640
7104	1347	1397	687	1287	1390	663
7105	1177	1193	670	1177	1217	570
7106	1253	1283	713	1200	1240	597

	250					
1173	1313	677	1003	1210	600	
1250	1357	733	1127	1303	700	
1140	1197	650	1660	1127	537	
1203	1277	733	1053	1143	700	

on table to 62 opened

NOTE

					300 1/2 M	
7113	1643	1677	997	1593	167	1058
7114	1487	1480	947	1393	1487	943
7115	1257	1637	1060	1567	1593	1087
7116	1420	1627	910	1443	1583	840

1413	1480	1040	1183	1290	743	1193	1393	807
1261	1333	1017	1233	1347	800	1227	1420	937
1583	1610	1283	1430	1500	1167	1377	1593	1177
1400	1463	1167	1460	1517	957	1230	1320	963

	1400	Y/V	Hot	450	Y/V	H
7113	937	1043	697	1167	1277	703
7114	1400	1573	850	1053	1180	917
7115	977	1400	800	1217	1433	913
7116	1260	1330	617	1127	1217	923

580	Y/V	H
1053	1267	990
1057	1167	937
1200	1397	1050
1133	1217	920

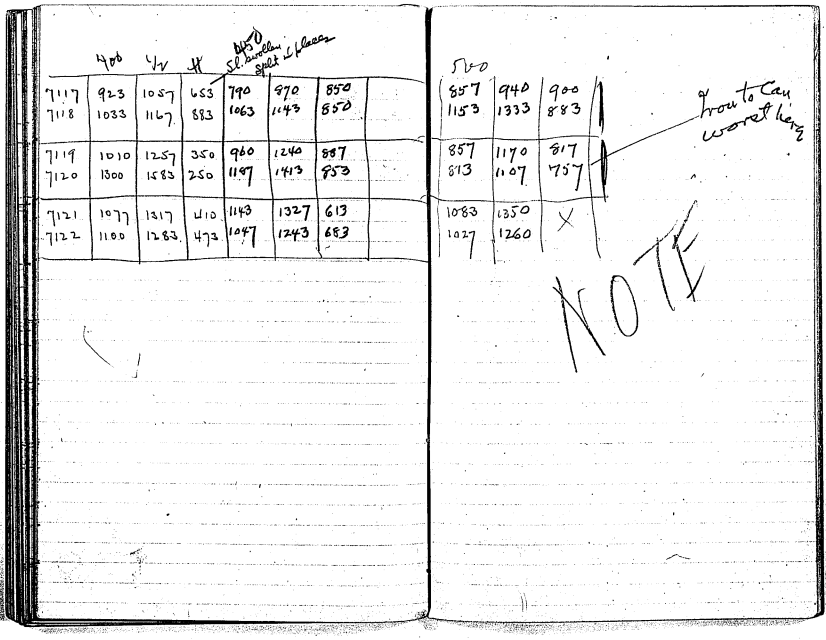
B. Green
Iron connected to
Cam boat

NOTE

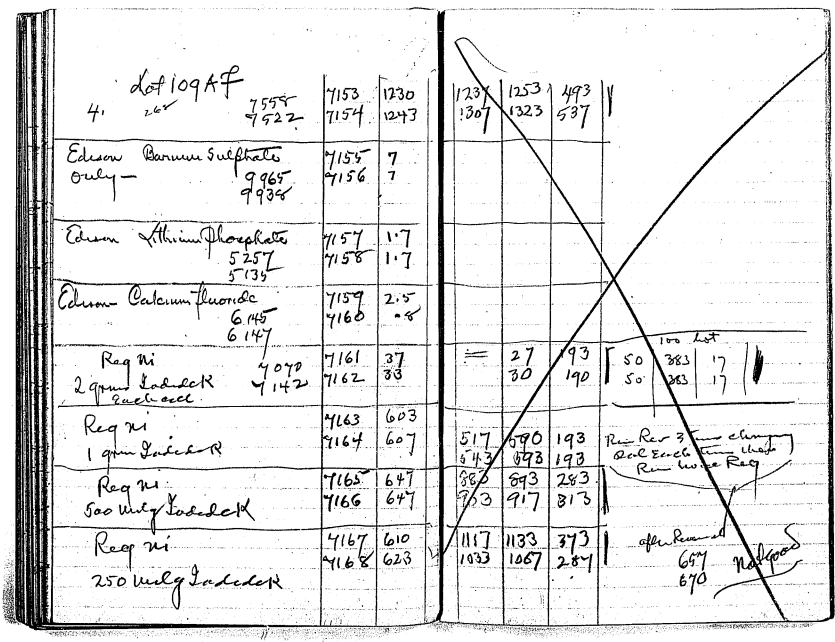
Goldvlan 621 12½ Bi Can not plated until Ni line connected to can		7117	1153	1623	1643	730	1710	1760	1117
		7118	1157	1650	1723	917	1563	1587	1100
Goldvlan 12½ Bi Dup of 7117 except Fe connected to can		7119	980	1420	1563	810	1543	1593	1233
		7120	1047	1467	1573	1067	1240	1683	1217
Ra Expt 1802 Cobalt 1%	7840	7121	1183	1393	1410	477	1610	1630	510
	7872	7122	1170	1380	1397	493	1383	1600	520
Ra 1801	7634	7123	1223	1287	1297	490			
	7613	7124	1197	1303	1310	493			
1837	7763	7125	1207	1280	1290	470			
	7850	7126	1217	1230	1240	440			
1838	7787	7127	1213	1320	1330	480			
	7794	7128	1213	1257	1297	463			
1839	7700	7129	1190	1297	1290	463			
	7653	7130	1183	1287	1297	490			
1840	7870	7131	1183	1273	1277	477			
	7751	7132	1163	1253	1280	483			
1841	7570	7133	1113	1210	1223	507			
	7620	7134	1127	1200	1213	463			

	150			200			LTO	Split 2 places + Swollen		3/64	1/2	H	3/50	1/2	11
7117	1440	1467	1303	1570	1477	860	1393	1460	1033	1177	1267	823	1157	1347	833
7118	1533	1663	817	1313	1343	857	1533	1647	643	1640	1793	1217	1417	1487	1067
7119	1380	1500	1100	1203	1467	853	1263	1443	967	1213	1443	983	1037	1323	940
7120	1400	1613	950	1197	1593	763	1383	1567	1013	1386	1567	883	1253	1520	940
7121	1413	1650	607	1390	1463	567	1107	1507	933	1347	1480	707	1200	1397	650
7122	1623	1637	603	1350	1400	573	1353	1443	711	1260	1413	633	1177	1333	717

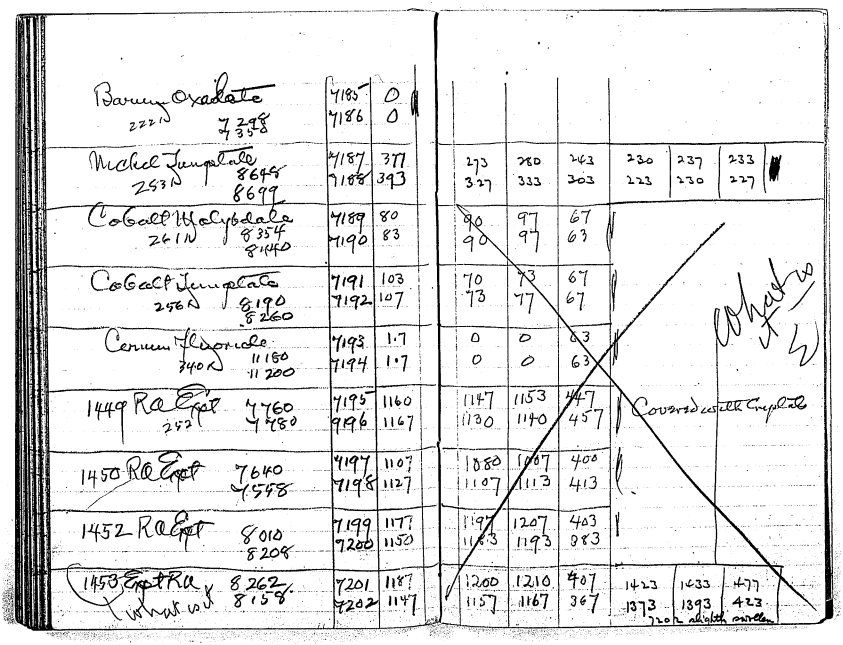
Split 2 places

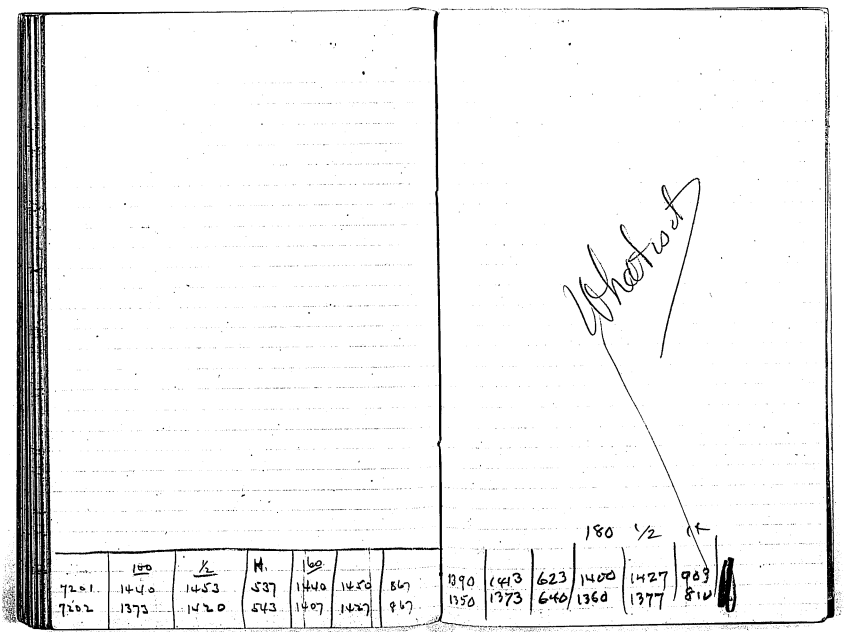

400
4½
4
650
Sl. smaller split L places
7117
923
1057
653
790
870
850
7118
1033
1167
883
1063
1143
850
7119
1010
1257
350
960
1240
887
7120
1300
1583
250
1197
1413
853
7121
1077
1317
410
1143
1327
613
7122
1100
1283
473
1047
1243
683
550
857
940
900
1153
1333
883
857
1170
817
813
1107
757
1083
1250
X
1027
1260
Front to Can worst here
NOTE

1842	7656	7135	1140	1247	1257	500
	7623	7136	1130	1238	1243	503
1843	7642	7137	1133	1217	1227	510
	7570	7138	1153	1220	1230	497
1844	7700	7139	1167	1280	1290	557
	7728	7140	1173	1207	1213	480
1845	7831	7141	1253	1283	1290	513
	7843	7142	1257	1333	1340	563
1846	7808	7143	1263	1280	1290	523
	7798	7144	1253	1280	1290	517
1847	7842	7145	1207	1230	1243	513
	7849	7146	1203	1217	1223	524
1848	7745	7147	1237	1313	1320	590
	7710	7148	1226	1257	1263	543
1850	7755	7149	1197	1190	1200	517
	7730	7150	1233	1170	1177	597
1851	7670	7151	1240	1267	1270	603
	7650	7152	1233	1257	1260	623


Lot 109 A f
4.
7558
7522
7153
7154
1230
1243
1253
1323
493
537
Edison Barium Sulphate
Only —
9965
9938
7155
7156
7
7
Edison Athium Phosphate
5257
5135
7157
7158
1·7
1·7
Edison Calcium Fluoride
6145
6147
7159
7160
2·5
·8
Req ni
2 gm Loaded
Each acct
7070
7142
7161
7162
37
38
27
30
193
190
50
50
383
383
17
17
Too Last
Req ni
1 gm Loaded
7163
7164
603
607
517
543
590
593
193
193
Req ni
500 mlg Loaded
7165
7166
647
647
863
903
893
917
283
313
Req ni
250 mlg Loaded
7167
7168
610
623
1117
1033
1133
1067
373
284
after Removal
694
670

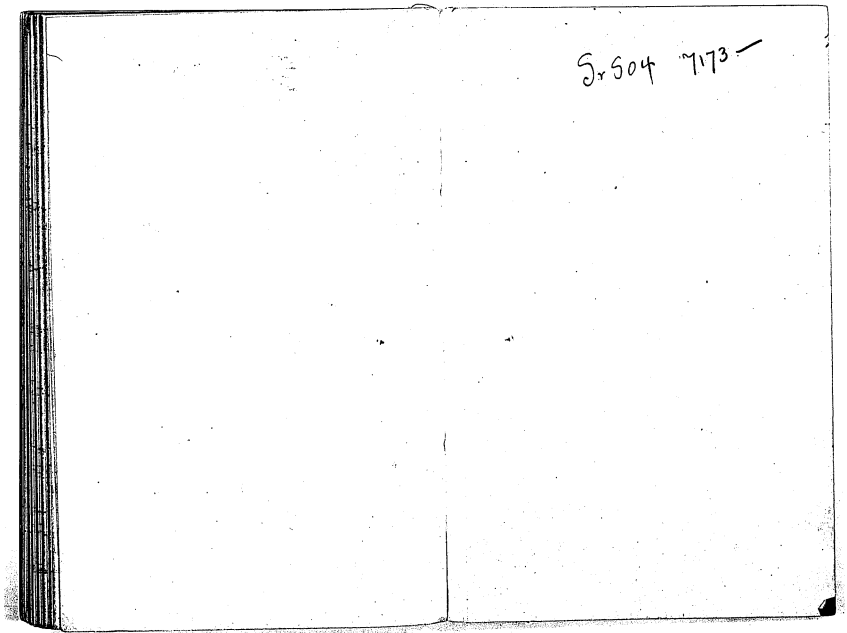
Reg No 125 mlyYoodeeN	7169 7170	1050 967	1123 1137	1143 1153	397 457	
1763 Expt 6240 6236 Dried bottom covered	7171 7172	1127 1127	1140 1140	1150 1150	423 433	
Strontium Sulphate only 259D 9255 9265	7173 7174	00	273 327	280 333	243 303	
Barium Fluoride 306 10116 9998	7175 7176	1·7 1·7				
Cadmium Tungstate 361D 11437 11351	7177 7178	1·7 ·8				
Cadmium Hydroxy 358D 9620 9604	7179 7180	·8 ·8				
Barium Oxychloride 245D 9482 9340	7181 7182	0 0				
Barium Molybdate 336D 10248 10283	7183 7184	1·7 1·7				


Barney Oxidate
2221
7298
7358
7185
0
7186
0
Michel Jumpdate
253N
8648
8699
7187
377
7188
393
273
280
263
230
237
233
327
333
303
223
230
227
CoCalf Hydrolate
261N
8354
8440
7189
80
7190
83
90
97
67
90
97
63
CoCalf Jumpdate
258N
8190
8260
7191
103
7192
107
70
73
67
78
77
67
Cerium Hydroxide
340N
11150
11200
7193
107
7194
107
0
0
63
0
0
63
1449 Ra Expt
252
7760
7780
7195
1160
7196
1167
1147
1153
447
1130
1140
457
Covered with Cupdate
1450 Ra Expt
7640
7558
7197
1107
7198
1127
1050
1107
400
1107
1113
413
1452 Ra Expt
8010
8208
7199
1177
7200
1150
1197
1207
403
1183
1193
983
1453 Expt Ra
Uranium
8262
8158
7201
1187
7202
1147
1200
1210
407
1157
1167
367
1423
1433
477
1373
1393
423
120N slightly warm

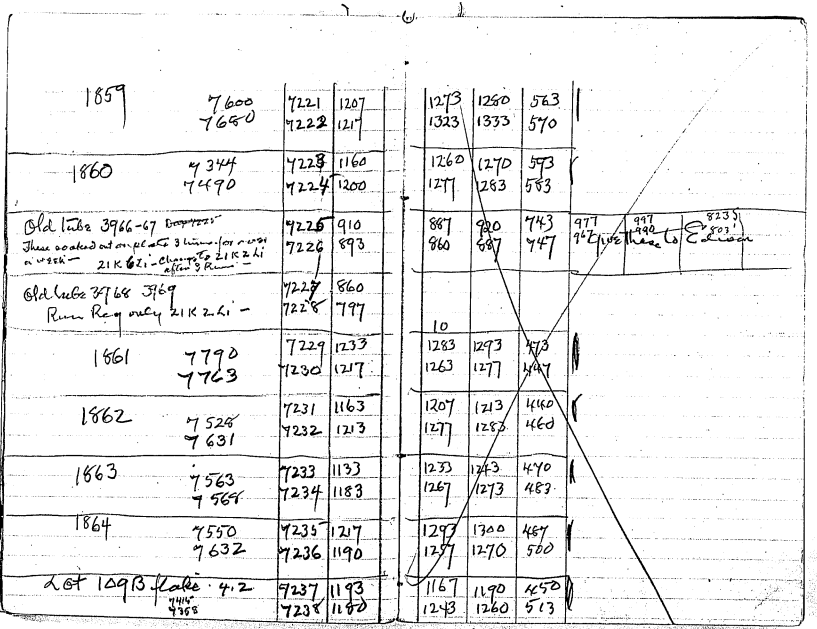


	100	1/2	M.	150								
7201	1440	1453	537	1440	1450	867	1390	1413	623	1400	1427	983
7202	1373	1420	543	1407	1427	867	1350	1373	640	1360	1377	810

1451 Rec Expt	8090 8170	7203 7204	1137 1140	1117 1100	1127 1107	377 353	
1849 Req —	7700 7764	7205 7206	1173 1190	1260 1247	1263 1290	570 577	
1852 Req	7530 7430	7207 7208	1143 1177	1230 1270	1240 1277	583 583	
1853	7658 7594	7209 7210	1183 1180	1277 1253	1287 1260	583 610	
1854	7538 7620	7211 7212	1183 1193	1283 1283	1290 1293	620 590	
1855	7635 7560	7213 7214	1193 1193	1283 1253	1293 1263	577 564	
1456 —	7674 7690	7215 7216	1187 1187	1300 1273	1307 1280	567 567	
1857	7550 7530	7217 7218	1210 1197	1293 1283	1300 1293	550 567	
1858	7430 7452	7219 7220	1177 1157	1260 1260	1270 1283	573 590	


S.504 .T73

Notebook, N-12-03-20


1859
7600
7650
7221
7222
1207
1217
1273
1323
1280
1333
563
570
1860
7344
7490
7228
7224
1160
1200
1260
1277
1270
1283
573
583
Old tube 3966-67 Dropped
These worked out on pc at 3 times for a week
21K 6Zi - changed to 21K 2Li after 3 Runs
7226
7226
910
893
887
860
930
887
743
747
977
997
990
Three to
Edison
8235
8203
Old tube 3968 3969
Run Reg only 21K 2Li -
7227
7228
860
797
10
1861
7790
7763
7229
7230
1233
1217
1283
1263
1293
1277
473
447
1862
7528
7631
7231
7232
1163
1213
1207
1277
1213
1283
446
460
1863
7563
7565
7233
7234
1133
1183
1233
1267
1243
1273
440
483
1864
7550
7632
7235
7236
1217
1190
1293
1277
1300
1270
487
500
2 of 1093 flake · 4.2
7446
7368
7237
7238
1193
1180
1167
1243
1190
1260
450
513

				on 3 Hot		
				Hot		Hot
Lot 110 A flake		7239	1170			
413	7325					
Few crystals -	9254	7240	1127	1233	1247	517
				1210	1223	513
Cerium Hydrox		7241	20			10
only	6793	7242	20			10
	6672					
Nickel Molybdate		7243	260			310
	6573					
	6630	7244	273			313
Barium Chromate	9523	7245	10			12
	9530	7246	10			12
Strontium Chromate		7247	0			0
	8545					
	8574	7248	0			0
Calcium Chromate		7249	33			67
	6262					
	6310	7250	33			67
Cadmium Chromate		7251	33			40
	8515					
	8460	7252	33			37
Cerium Molybdate		7253	0			7
	7410					
	7455	7254	1.7			7

						Nat
Iron Chromate — 6700 6570	7255	1·7				2·5
	7256	1·7				·8
Nickel Chromate 5950 6410	7257	590	487	500	450	
	7258	573	510	523	403	
Cobalt Chromate 6570 6620	7259	143	113	120	307	
	7260	153	117	123	307	
Iron Tungstate 8592 9000	7261	·3				
	7262	·8				
Cerium Chromate 8148 8182	7263	·8				
	7264	·8				
Calcium Oxalate 4739 4779	7265	·8				
	7266	·8				
Mercury Tungstate 11224 11363	7267	27				
	7268	30				
Calcium Molybdate 9329 9270	7269	40				
	7270	40				
Cerium Tungstate 8210 8113	7271	33				
	7272	33				

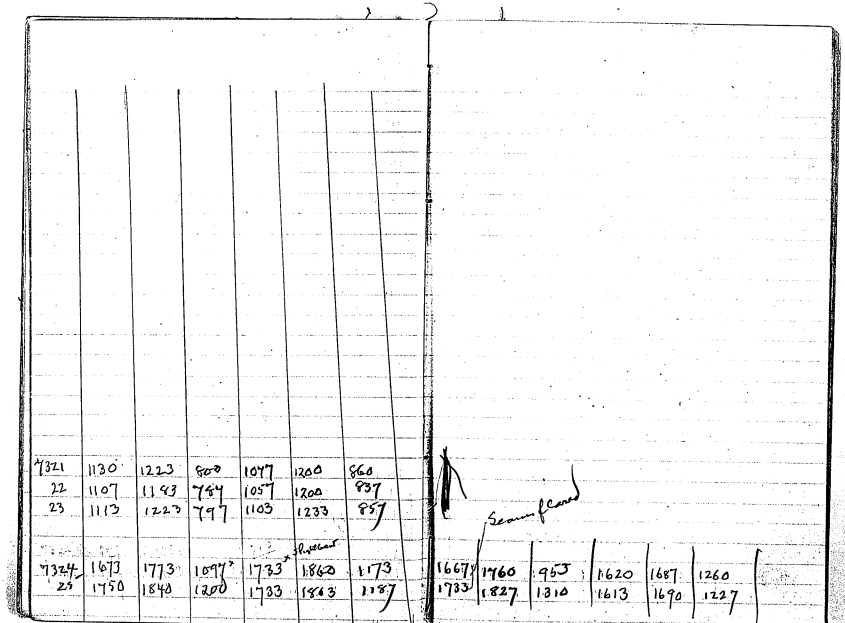
From Mary 6 Last	6072	7273	37								
	6040	7274	37								
RQ 1454 Expt	7430	7275	1200	1303	1313	417	1377	1390	440
	7500	7276	1203	1280	1290	415	1360	1380	400
RQ 1455 Expt	7505	7277	1237	1287	1307	390	1392	1410	417
	7465	7278	1220	1290	1310	417	1380	1392	430
				10 R					
1865 Req	7295	7279	1173	1220	1227	627			
	7208	7280	1133	1190	1197	623			
1866 Req	7535	7281	1167	1227	1237	580			
	7343	7282	1167	1230	1240	522			
1867 Req	7618	7283	1153	1217	1223	460			
	7640	7284	1167	1200	1210	457			
1868 Req	7560	7285	1197	1280	1287	513			
	7530	7286	1133	1223	1233	507			
1869 Req	7602	7287	1153	1203	1213	540			
	7560	7288	1150	1207	1220	577			
1870	7645	7289	1153	1233	1240	633			
	7627	7290	1133	1193	1200	603			

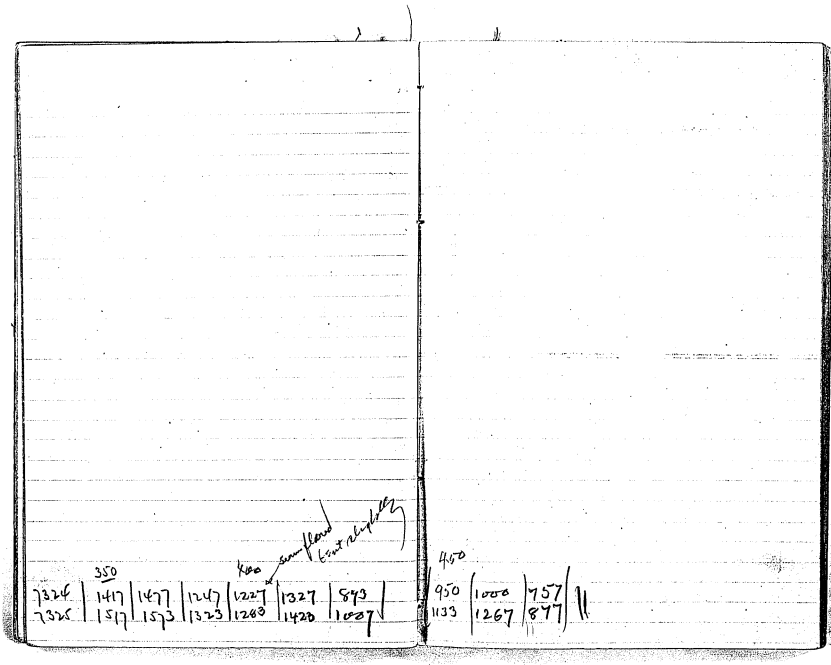
	110	1/2	H	120		
7275	1350	1387	660	1343	1362	797
7276	1343	1367	663	1373	1393	793
			667			
7277	1370	1390	663	1427	1457	780
7278	1380	1407	667	1423	1447	727

			140		
1300	1341	713	1260	1347	877
1297	1333	710	1260	1310	787
1383	1377	703	1327	1363	850
1343	1373	717	1327	1367	850

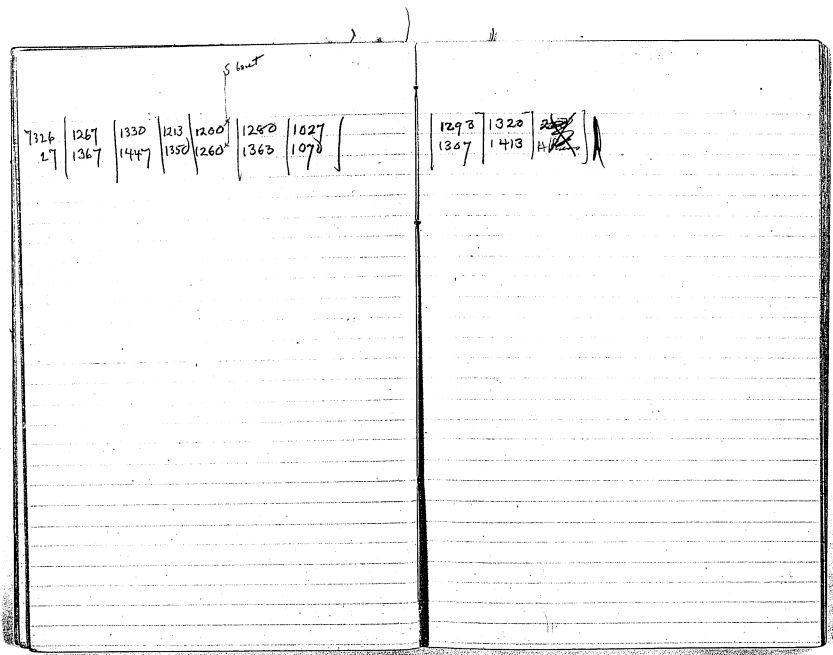
1871 Reg	7713 7760	7291 7292	1187 1160		10 1247 1210	1257 1223	657 600
1872 Reg	7566 7667	7293 7294	1157 1157		1177 1200	1187 1210	577 557
1873 Reg	7627 7532	7295 7296	1177 1160		1250 1213	1257 1223	577 557
1874 Reg	7520 7560	7297 7298	1170 1180		1223 1223	1233 1233	600 610
1875 Reg	7359 7310	7299 7300	1157 1177		1217 1247	1223 1257	583 577
1876 Reg	7451 7371	7301 7302	1187 1193		1247 1260	1260 1267	607 577
1877 Reg	7595 7484	7303 7304	1163 1187		1213 1247	1220 1257	537 593
1878 Reg	7479 7492	7305 7306	1203 1203		1237 1273	1243 1280	610 627
1879 Reg	7585 7618	7307 7308	1193 1167		1257 1233	1223 1243	627 600

							Note 2 Old Grips at back				
1880 Reg	7471 7430	7309 7310	1203 1173		1257 1187	1263 1200	613 573				
1883 Reg	7560 7537	7311 7312	1187 1193		1243 1220	1253 1227	507 514				
1884 Reg	7433 7512	7313 7314	1160 1177		1193 1217	1203 1223	540 543				
1885 Reg	7534 7510	7315 7316	1190 1197		1253 1257	1263 1263	590 567				
1886 Reg	7679 7575	7317 7318	1173 1160		1240 1250	1250 1260	597 617				
1881 Reg	7551 7595	7319 7320	1190 1187		1273 1227	1280 1237	620 570				
Old 6126 Jubz + new		7321	907		1167	1227	787	150 1160	1250	777	
21K 4d1 num 3 Turn clamp		7322	860		1133	1193	753	1117	1207	777	
to 21K 2d1	7322 to old 6127 7323 to old 6128	7323	940		1170	1223	910	1163	1260	793	
1/8 Jubz, 352 D. wt 2,750		7324	1910		6kw 1983	2053	2-20	150 1790	1860	900	
21K 4d1 num 3 Turn clamp		7325	1917		2036	2123	9102 3	1840	1922	1000	
to 21K 1d1											




350
400
450
1324
1325
1417
1517
1477
1573
1247
1323
1227
1289
1327
1428
843
1027
950
1133
1000
1267
757
877

				50					
				6mm	½	H	150		
1/8 tube Duplicate of 7324 – 21K 6 Li 7um 3hr change to 21K 1 Li		7326 7327	1833 1923	2043 2277	2107 2413	1660 1773	1507 1610	1583 1707	1149 1227
1882 Reg	7645 7602	7328 7329	1177 1177	1193 1183	1203 1190	577 573			
Magnesium Oxalate	4485 4475	7330 7331	.3 .8						
Calcium Tungstate	10405 10455	7332 7333	.3 .3						
				10					
1887 Reg	7727 7675	7334 7335	1243 1233	1268 1273	1273 1280	560 550			
1888 Reg	7660 7650	7336 7337	1197 1180	1240 1217	1250 1233	523 563			
1889 Reg	7698 7654	7338 7339	1220 1213	1270 1253	1280 1260	527 527			
1890 Reg	7725 7630	7340 7341	1233 1230	1267 1247	1273 1253	577 507			
1891 Reg	7565 7555	7342 7343	1207 1207	1253 1257	1260 1260	553 570			


5 lowest
7326 | 1267 | 1330 | 1213 | 1200 | 1280 | 1027
27 | 1367 | 1447 | 1350 | 1260 | 1363 | 1078
1293 | 1320
1307 | 1413

1892 Reg	7590 7678	7344 7345	1213 1217
1893 Reg	7562 7555	7346 7347	1217 1227
1894 Reg	7480 7445	7348 7349	1223 1190
flake 111 — 4.3	7315 7324	7350 7351	1237 1207
flake 112 - 4.2	7226 7283	7352 7353	1200 1207
Goldsteins 723. Needs with 29 days around dried cow body 2 weeks 30 days	7196 7180 7185	7354 7355 7356	1140 1153 1153
Goldsteins 726. Dried body without cow 30 days	7423 7110 7105	7357 7358 7359	1193 1193 1230

10

1263	1270	603				
1300	1303	637				
1263	1270	593				
1263	1290	569				
1267	1277	537				
1213	1223	593				
1237	1260	510				
1230	1260	503				
1217	1240	527				
1290	1317	570				
1193	1213	383	1302	1323	490	
1227	1237	380	1312	1347	503	
1237	1250	350	1327	1347	487	
1263	1277	360	1337	1377	487	
1260	1267	350	1363	1387	483	
1277	1287	333	1380	1410	483	

150

7354	1267	1307	560	
55	1280	1383	587	
56	1293	1347	548	
57	1263	1350	580	
58	1327	1377	610	Start Little
59	1327	1400	577	

Goldstein 728		7360	1227	1347	1357	370	100 1483	1507	567	
With 1% Cobalt	7220	7361	1240	1340	1350	343	1607	1637	483	
	7250	7362	1223	1343	1353	327	1650	1667	427	
Dried box no Cover 30 days	7275									
Goldstein 706 Mod.	7245	7363	1099	1190	1197	293	1317	1333	360	
3 grms Glycerin in 520	7264	7364	1077	1177	1190	307	1307	1340	427	
Mod. Dried 6 hr. 1 hour	7154	7365	1077	1180	1193	854	1317	1340	430	
33 Imp. pressed 300 at										
6117 } Run together 21K 2Li										
6114 } old luten soaked Conc			963							
Ammonia soda —			127							
3763 } 21K 2Li			867							
3764 } old Tube soaked Conc			533							
Nitrate Soda										
3962 } old tube soaked 24 hrs										
3963 } Hypomagnesite Soda —										
Goldstein 709 -	7001	7366	1173	1277	1300	343	1373	1457		
Macerated Jadanic and	7064	7367	1170	1293	1307	333	1373	1450		
4 520 Mod. Dried box 1 hr.	7009	7368	1140	1273	1270	307	1280	1303		
33 Imp. press 300 at										

	15°			20°				250	1/2	H	300		
7360	1393	1520	613	1377	1527	650		1350	1487	708	1267	1483	620
61	1327	1397	553	1237	1400	600		1143	1290	590	1080	1267	543
62	1290	1467	497	1373	1477	600		1323	1420	480	1290	1443	513
63	1300	1333	463										
64	1247	1310	501										
65	1283	1333	530										
7366	1167	1373	617										
67	1117	1300	670										
68	1227	1287	583										

	400 .9	.5	H.		458	
7360	1323	1517	677	1313	1490	717
7361	1097	1290	573	983	1217	673
7362	1243	1410	623	1180	1353	677

	500		
1050	1283	650	AC
893	1047	587	
930	1127	553	

Reg nr –										
Tubes Godized after soaking in 33% NaOH, Wodkin NaOH.		7369	1087	1243	1257	423	1293	1317	893	
7369 – 10 min		7370	1120	1290	1363	470	1333	1370	617	
7370 15 "		7371	1130	1267	1280	563	1347	1400	650	
7371 20 "										
Goldstein 725,		7372	1207	1303	1323	320	1210	1383	537	
Made with 2 gram Sodium Sulfite	6765	7373	1210	1340	1357	350	1210	1410	537	
Pressed 300 at	6846	7374	1217	1377	1390	360	1260	1463	530	
dried 6½ hours, 20 days	6890									
Goldstein 716	7058	7375	1220	1327	1353	353	1220	1383	433	
Made with 1% Cobalt.	7020	7376	1237	1387	1413	340	1187	1377	447	
at 520 g NaOH.	7012	7377	1237	1398	1420	373	1193	1400	433	
pressed 300 at										
Goldstein 724	7032	7378	1220	1323	1348	343	1250	1463	457	
Made with 2 gram Sodium Phosphate	7037	7379	1223	1343	1360	357	1260	1430	490	
dried Box 1 Hole 30 days	7020	7380	1200	1273	1297	343	1177	1360	453	
pressed 300 atmos										
Goldstein 677	7816	7381	1160	1240	1263	303	1267	1400	423	
Made strong Sol NaOH.	7704	7382	1150	1290	1307	400	1313	1460	473	
dried Low Temp 2½ Months	7810	7383	1153	1257	1270	380	1243	1420	440	
Goldstein 706 –	7110	7384	1173	1293	1310	373	1263	1440	457	
Made with 520 g NaOH.	7016	7385	1160	1260	1270	387	1230	1423	430	
dried Covered Box 1 hole	7082	7386	1157	1237	1250	340	1230	1393	423	
35 days										

7369	1257	1313	697						
70	1293	1347	740						
71	1293	1357	663						
7375	1263	1353	508	1350	1440	677	1193	1393	607
76	1423	1507	527	1463	1527	730	1327	1447	623
77	1430	1507	533	1460	1543	710	1260	1447	593
7381	1310	1333	500	1290					
82	1437	1470	620	1240					
83	1357	1450	608	1297					

Cobalt 727 made with 2 gram $CuSO_4$ + $5H_2O$ - Distilled water + 30 drops	7225 7220 7230	7387 7388 7389	1200 1200 1160
Regeneration of Tubes of the Numbers underlined Marked X			
525 Soaked HgCy = made	525 X		800
526 Soaked strong Sol Nitrate K	526 X		877
527 Strong Sol Citrate Ammonia	527 X		793
891 only small quant Iodide K	891 X		870
892 Conc Tungstate K	892 X		1093
901 Conc K Molybdate	901 X		990
902 Conc NH_4 Sulphate	902 X		633
903 Conc Benzoate K	903 X		947
904 Strong Zinc Chloride	904 X		930

1273	1287	423	1290	1463	530
1293	1304	410	1260	1453	530
1257	273	397	1263	1427	500

Lost 197 Milamp
" 70 "
" 197 "
" 230 "
" 176 "
" 43 "
" 320 "
Gained 34 "
Gained 66 "

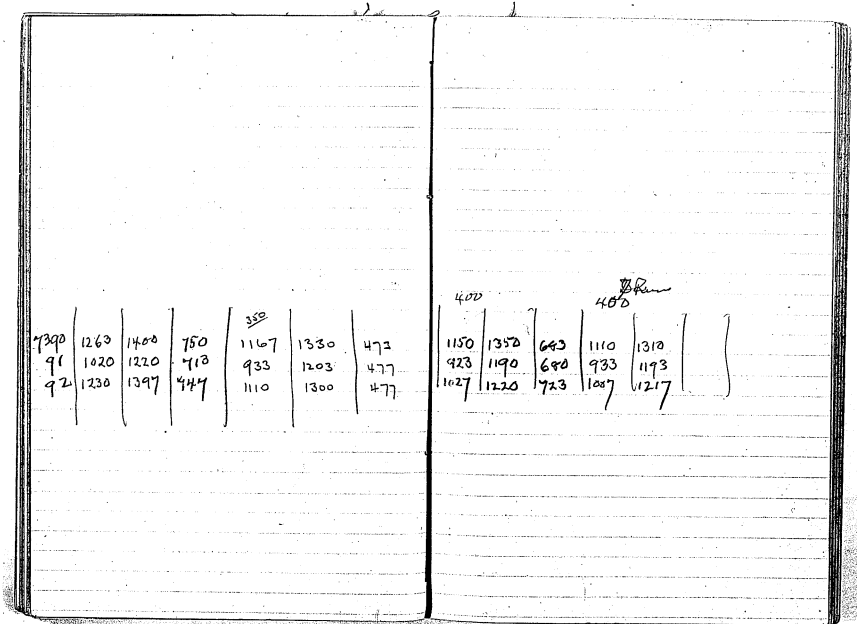
905 Methylchloride strong	905X	950	improved 120 Milamp
906 Sodium Nitrite strong	906X	1127	improved 147 "
919 Zinc SO4 strong	919X	1057	improved 140 "
920 Ammonium Phosphate strong	920X	27	lost 800 "
1702 Chromate K	1702X	933	
1707 Chlorate K	1707X	913	improved 50

Ra 1883 Expt	7390	1250	1333	1333	463	1290	1663	573
	7391	1273	1323	1333	463	1320	1660	503
2% Cobalt.	7392	1270	1333	1347	460	1320	1660	573

Old tubes regeneration	10280	404	lost 500 Milamp
Old numbers Strong Calomel	10281	550	
KCl saturated	10308	988	
	10310	913	lost 300 "
Sulphate Magnesium fresh strong	10309	904	
	10340	967	lost 400 "

	150	1/2	H	200	1/2	H
7390	1427	1483	670	1323	1467	637
91	1430	1500	670	1333	1523	673
92	1440	1487	627	1360	1490	760
7393						
94						
95						

	250	1/2	H,	300		
	1383 (6 mi)	1483	637	1283	1450	687
	1417	1517	673	1183	1397	637
	1393	1490	760	1247	1393	670



Regeneration old tubes old numbers		
	10341	1104
K Sulphate Saturated	10342	867
Phosphate Soda Conc	10344	1268
Natt Pay $12H_2O$ –	10313	875
K Chromate Sat	10282	500
	10343	554
Nitrate Soda Saturated	3763	867
	3764	553
Na Hyposulphite. Strong	3962	950
	3963	1030
Chloride Ammonia Saturated	5460	960
	5461	817
Arsenate Soda Saturated	6117	983
	6119	127
	10311	1175
10311 Nitrate Ammonia	10312	1004
10312 Nat Sat. Everything bright –		

Lost 250

Lost 250 –

Lost 460 –

Gained 293 mil amps

Lost 200 "

1171	1183	796	971	991	735	
993	1025	708	867	888	670	

X old Cuba —

Chromate K	1702 X	933
Chloride K	1703 X	913
Ferrocyanide K	1704 X	1047
Old Cuba Hyposulphite K	1705 X	653
Cobalt Sulfate	1706 X	923
Chlorate K	1707 X	820
1877 Ra — Soaked in 3% Cobalt Solution in green by Edward — followed first in Roth, Wenderoth, Taylor, Accompanied	7393 7394 7395	1217 1277 1300
1878 Ra — 5% Cobalt Solution used	7396 7397 7398	1263 1297 1253
1885 Ra 7% Solution Cobalt Sulfate used	7399 7400 7401	1287 1270 1290

Cost 70 mil amp

Cost 80 "

Cost 160

1323	1333	453	1343	1420	497
1277	1290	447	1233	1367	487
1383	1403	520	1337	1447	540
1290	1307	467	1247	1373	533
1373	1390	573	1307	1437	530
1260	1273	467	1230	1340	503
1323	1340	497	1233	1397	520
1343	1360	483	1290	1440	530
1320	1333	467	1253	1403	543

93	1367	1473	597	1117	1327	647
94	1240	1313	520	1133	1307	667
95	1387	1520	623	1183	1290	418
	3994	4306	1740	3433	3924	1732
96	1300	1373	563	1123	1273	643
97	1373	1457	597	1163	1363	683
98	1267	1333	517	1246	1307	607
	3940	4163	1677	3532	3943	1933
99	1387	1410	593	1063	1263	577
1400	1380	1460	570	1213	1373	637
01	1340	1460	547	1177	1333	597
	4107	4230	1710	3453	3969	1811

1886 Ra –	7235	7402	1293
10% Soluble Cobalt	7175	7403	1297
Sulfate mixed	7193	7404	1280
1879 = R	7185	7405	1243
15% Sol Cobalt Sulfate	174	7406	1230
mixed	220	7407	1247
1880 Ra –	7206	7408	1273
20% Sol Cobalt Sulfate mixed	7273	7409	1290
	7218	7410	1310
Ra 1884	7270	7411	1310
25% Cobalt Sulfate mixed	7202	7412	1300
	7200	7413	1330
Ra 1884	7170	7414	1343
35% Cobalt Sulfate mixed	7117	7415	1317
	7157	7416	1333
Ra 1457 Expt	7678	7417	1057
	7722	7418	1130
Golddot 699	7500	7419	1053
Dup 6987	7522	7420	1157

Note high Cup –

1327	1343	447	1273	1600	573	
1313	1330	467	1230	1390	527	
1300	1313	447	1253	1397	563	
(1313)	(1329)	(454)	(1252)	(1396)	(548)	
1300	1320	493	1243	1397	587	
1260	1273	485	1243	1393	570	
1303	1327	547	1233	1397	570	
(1288)	(1307)	508	(1239)	(1396)	(576)	
1243	1257	507	1233	1330	543	
1333	1360	537	1287	1527	547	
1317	1363	550	1347	1627	587	
(1248)	(1327)	531	(1322)	(1428)	(559)	
1387	1407	567	1430	1467	633	
1330	1350	573	1253	1613	600	
1367	1383	570	1410	1630	603	
(1361)	(1380)	(560)	(1398)	(1437)	(612)	
1363	1380	617	1413	1467	657	
1360	1377	620	1320	1397	633	
1410	1430	633	1253	1600	610	
1378	(1396)	(623)	(1365)	(1421)	(633)	
	10 min runs			60 sec runs		
1180	1193	347	1270	1280	557	
1187	1197	350	1253	1263	540	
1093	1100	327	1133	1210	480	
1193	1203	373	1277	1337	547	

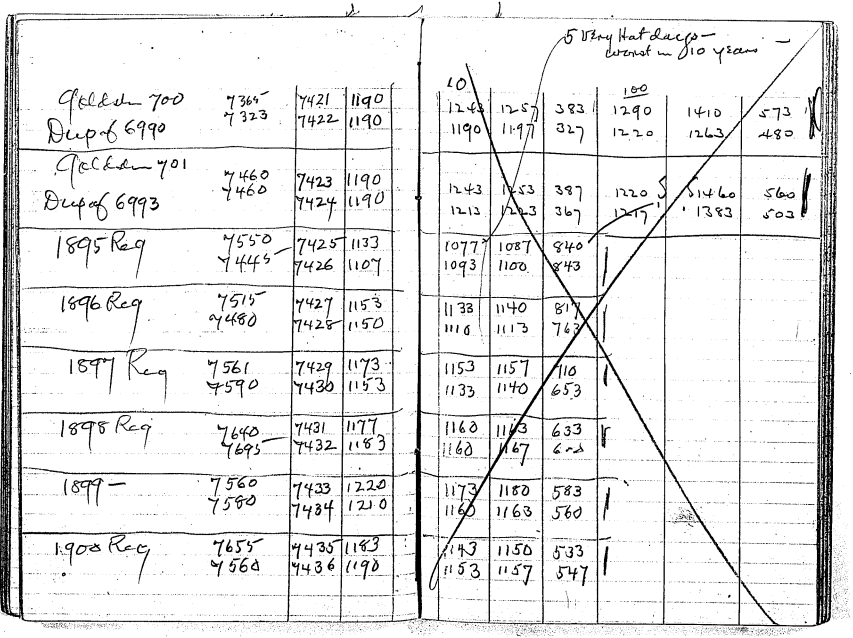
				200		
7402	1367	1420	547	1320	1453	630
03	1350	1403	670	1023	1527	630
04	1307	1390	577	1277	1417	653
	(1340)	(1404)	(565)	(1247)	(1466)	(638)
7405	1350	1423	623	1423		794
06	1327	1400	663	1393		700
07	1350	1423	663	1357		673
	(1342)	(1413)	(650)	(1391)		(723)
08	1300	1360	603	12770		673
09	1383	1462	743	1363		673
10	1313	1397	687	1353		687
	(1332)	(1408)	(678)	(1329)		(674)
11	1430	1493	803	1467		707
12	1467	1460	803	1397		647
13	1450	1490	870	1400		690
	(1429)	(1491)	(833)	(1421)		(681)
14	1490	1537	840	1330		760
15	1373	1433	840	1443		773
16	1397	1450	867	1440		737
	(1420)	(1493)	(849)	(1404)		(757)
7417	1343	1360	813			
7418	1330	1347	787			

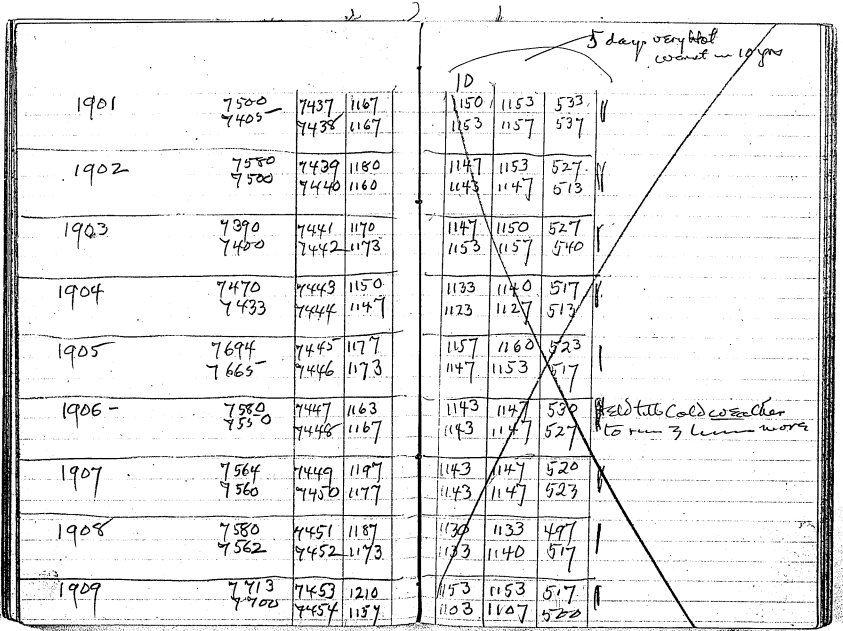
250	1/2	H	300	1/2	1F
1220	1363	640	1153	1357	583
1087	1310	643	980	1210	567
1160	1300	616	1067	1257	560
(1156)	(1324)	(633)	(1066)	(1275)	(577)
1350	1483	593	1227	1437	793
1260	1397	583	1210	1340	673
1203	1367	643	1190	1377	750
(1271)	(1416)	(606)	(1209)	(1385)	(725)
1307	1410	670	1253	1383	750
1333	1462	767	1243	1400	773
1327	1447	760	1183	1350	752
(1322)	(1440)	(732)	(1226)	(1378)	—
1447	1560	787	1387	1517	813
1330	1463	670	1287	1433	753
1413	1523	667	1383	1457	733
(1397)	(1515)	(708)	(1392)	(1469)	(766)
1420	1527	637	1357	1487	757
1367	1487	620	1393	1483	730
1393	1460	707	1297	1487	797
(1377)	(1491)	(654)	(1349)	(1469)	(761)

7402	1240	1393						
7403	1037	1267						
7404	1167	1367						
	(1148)	1343						

Where are these

	350			400 7 runs				
7411	1163	1443	683	1380	1480	1413	1543	
7412	1100	1327	680	1200	1400	1200	1433	
7413	1027	1248	623	1130	1357	1117	1360	
	(1077)	(1334)	(662)	(1239)	(1412)	(1243)	(1445)	
				7 Runs				
7414	1100	1340	700	1287	1467	1307	1513	
7415	1133	1373	700	1267	1443	1260	1450	
7416	1133	1367	713	1253	1433	1233	1417	
	(1122)	(1360)	(704)	(1269)	(1488)	(1267)	(1450)	

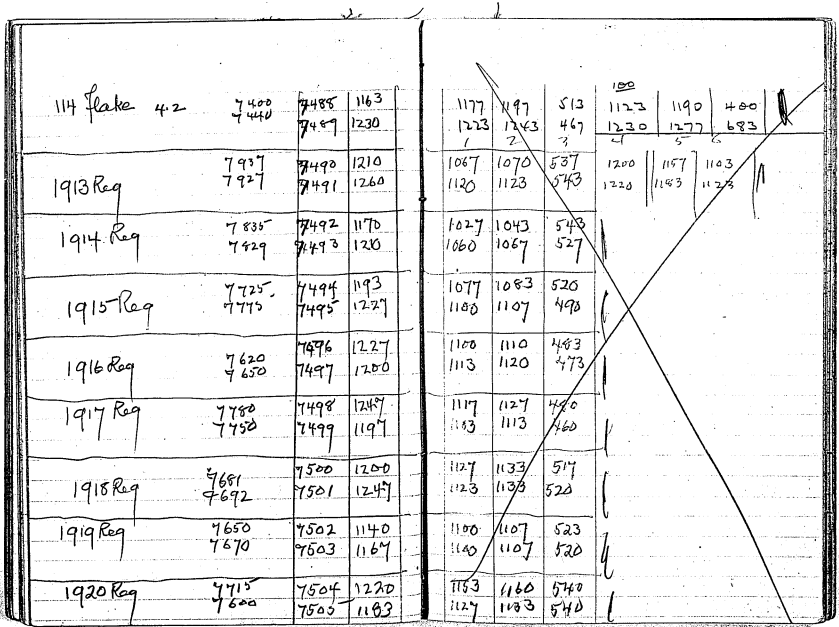

5 Story Hat days — worst in 10 years
10
100
Gallatin 700
Dup of 6990
7365
7323
7421
7422
1190
1190
1243
1190
1257
1197
383
327
1290
1220
1410
1263
573
480
Gallatin 701
Dup of 6993
7460
7460
7423
7424
1190
1190
1243
1213
1253
1263
387
367
1220
1217
1460
1383
560
503
1895 Reg
7550
7445
7425
7426
1133
1107
1077
1093
1087
1100
840
843
1896 Reg
7515
7480
7427
7428
1153
1150
1138
1116
1140
1113
817
763
1897 Reg
7561
7590
7429
7430
1173
1153
1153
1133
1157
1140
710
653
1898 Reg
7640
7695
7431
7432
1177
1183
1160
1160
1163
1167
633
603
1899 —
7560
7580
7433
7434
1220
1210
1173
1160
1180
1163
583
560
1900 Reg
7655
7560
7435
7436
1183
1190
1143
1153
1150
1157
533
547

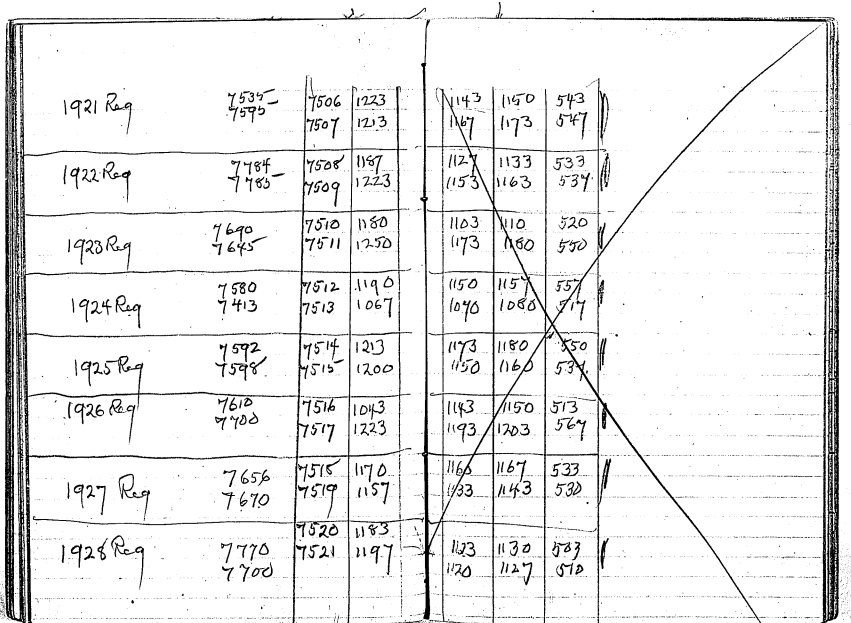

5 days very hot
warmest in 10 yrs
ID
1901
7500
7405
7437
7438
1167
1167
1150
1153
533
537
1902
7580
7500
7439
7440
1180
1160
1147
1143
1153
1147
527
513
1903
7390
7400
7441
7442
1170
1173
1147
1153
1150
1157
527
540
1904
7470
7433
7443
7444
1150
1147
1133
1123
1140
1127
517
513
1905
7694
7665
7445
7446
1177
1173
1157
1147
1160
1153
523
517
1906
7580
7550
7447
7448
1163
1167
1143
1143
1147
1147
530
527
Cold with cold coachers to run 3 hours more
1907
7564
7560
7449
7450
1197
1177
1143
1143
1147
1147
520
523
1908
7580
7562
7451
7452
1187
1173
1130
1133
1133
1140
497
517
1909
7713
7700
7453
7454
1210
1157
1153
1103
1153
1127
517
522

1910	7715	7455	1187	1130	1133	520				
	7440	7456	1183	1127	1133	500				
		7457	1043	1190	1197	390	1277	1323	587	
Dodged 10 minutes		7458	1097	1217	1230	377	1237	1380	547	
in 6 gms KI Iodide 100 cc		7459	1133	1213	1227	377	1290	1283	520	
KOH		7460	1110	1213	1223	383	1257	1280	540	
		7461	1080	1217	1227	440	1233	1633	593	
218		7462	1093	1217	1227	407	1273	1340	563	
	7080	7463	1063	1283	1270	483	1297	1327	737	
ZIKZCl		7464	1027	1243	1257	480	1260	1290	733	
		7465	993	1243	1257	483	1243	1283	750	
Dodged 5 mm 8.5 gms KI 1000 cc KOH 4500 ma		~~7466~~								
ZIKZCl										
				3	Run 6 hrs	5	4 hrs		Run over 3 hrs more	
Reg 1911 - 7770 7714		7466	1270	1103	1137	623	1150	1163		
		7467	1230	1090	1093	397	1110	1153		
Reg 1912	7560	7468	1253	1133	1137	610	1183	1110		
	7602	7469	1268	1127	1130	590	1123	1130		

Gold Lac 729 -	7000	7470	1100	1117	1123	440	1197	1207	760				
	7006	7471	1113	1117	1127	433	1223	1243	753				
Made up 2L 520 NaOH. one part Zirconium hydrox 5 holes 22 days	7034	7472	1128	1123	1130	427	1233	1253	733				
Ra 1456 Expt	7340	7473	1160	1307	1317	443	1327	1337	607				
	7337	7474	1247	1297	1303	497	1303	1317	597				
Ra 1458 Expt	7708	7475	1207	1250	1260	380	1273	1287	567				
	7670	7476	1200	1267	1280	393	1300	1310	563				
Gold Lac 732 -	7350	7477	1227	1290	1300	410	1223	1237	1243	1300	580		
	7310 -	7478	1220	1307	1317	413	1310	1333	1240	1310	600		
520 NaOH 1% Zirconium - 5 holes 60x 22 Days	7315	7479	1227	1287	1300	383	1353	1387	1247	1293	577		
Gold Lac 738	7020	7480	1133	1190	1200	367	1233	1243	1213	1243	637		
	7075 -	7481	1143	1183	1193	343	1230	1237	1190	1260	660		
520 NaOH 1% Zirconium 4 holes	7075	7482	1123	1130	1160	330	1177	1193	1197	1287	657		
	7314												
Gold Lac 745	7330	7483	1223	1267	1293	403	1280	1307	1247	1313	767		
	7370												
520 NaOH 1% aluminum hydrox Cov box 4 holes		7484	1223	1263	1283	387	1287	1330	1247	1317	643		
		7485	1200	1180	1197	453	1170	1220	1190	1247	767		
113 Flake	7360 -	7486	1200	1253	1263	467	1263	1293					
4.4 -	7405	7487	1218	1223	1237	458	1243	1273					

	개	누	표	
7473	1390	1403	867	
7474	1397	1423	887	
7475	1370	1390	857	
7476	1373	1387	830	


114 flake 42
7400
7440
7488
7489
1163
1230
1177
1223
1197
1243
513
467
1123
1220
1190
1277
400
683
1913 Reg
7937
7927
7490
7491
1210
1260
1067
1120
1070
1123
537
543
1200
1220
1157
1183
1103
1175
1914 Reg
7835
7929
7492
7493
1170
1210
1027
1060
1043
1067
548
527
1915 Reg
7725
7775
7494
7495
1193
1227
1077
1180
1083
1107
520
498
1916 Reg
7620
7650
7496
7497
1227
1200
1100
1113
1110
1120
483
473
1917 Reg
7780
7750
7498
7499
1248
1197
1117
1163
1127
1113
490
460
1918 Reg
7681
7692
7500
7501
1200
1247
1127
1123
1133
1138
517
520
1919 Reg
7650
7670
7502
7503
1140
1164
1100
1140
1107
1107
523
520
1920 Reg
7715
7600
7504
7505
1220
1183
1153
1127
1160
1133
540
540


1921 Reg
7535
7595
7506
7507
1223
1213
1143
1167
1150
1173
543
547
1922 Reg
7484
7485
7508
7509
1187
1223
1127
1153
1133
1163
533
537
1923 Reg
7690
7645
7510
7511
1180
1250
1103
1173
1110
1180
520
550
1924 Reg
7580
7413
7512
7513
1190
1067
1150
1070
1154
1080
557
517
1925 Reg
7592
7598
7514
7515
1213
1200
1173
1150
1180
1160
550
534
1926 Reg
7610
7700
7516
7517
1043
1223
1143
1193
1150
1203
513
567
1927 Reg
7656
7670
7518
7519
1170
1157
1166
1133
1167
1143
533
530
1928 Reg
7770
7700
7520
7521
1183
1197
1123
1170
1130
1127
553
570

plumped on 20°

RQ. 1459 Expt	7508	7523	1190		1320	1333	660	1363	1377	980
	7615	7528	1177		1310	1323	540	1380	1397	960
RQ 1460 Expt	7650	7524	1177		1347	1360	473	1373	1290	783
	7510	7526	1153		1290	1300	417	1327	1350	717
RQ. 1462 Expt	7462	7526	1227		1320	1337	400	1362	1360	723
	7428	7527	1207		1327	1333	387	1347	1267	700
Goldschmidt 707	7220	7528	1093		1193	1203	353	1227	1257	663
2 gms Glycerine dried —	7255	7529	1123		1243	1253	317	1287	1330	637
box 1 hole 34 days	7210	7530	1130		1263	1273	333	1333	1377	583
pressed 300 at.										
Goldschmidt 710	6678	7531	1107		1197	1210	317	1283	1257	557
2 gms Sugar —	6650	7532	1127		1250	1260	340	1330	1330	550
dried box 1 hole 32 days	6690	7533	1103		1197	1203	323	1253	1377	687
pressed 300 at										
Goldschmidt 712	7095	7534	1227	1090	1287	1300	427	1290	1390	527
Mixed 2 gms	7078	7535	1230	1093	1290	1303	403	1310	1367	487
Ammonium Sulphate	7120	7536	1233	1093	1310	1323	400	1367	1403	530
1 Hole 6 x 35 Days										
grown 300 at										
Goldschmidt 715	7015	7537	1210	1060	1233	1257	380	1183	1350	493
2.52 mash. 61% Cu SO4	7010	7538	1210	1067	1260	1277	433	1263	1333	583
	7007	7539	1200	1057	1237	1257	427	1197	1293	557
box 1 hole 40 days										
pressed 300 at.										

50 60

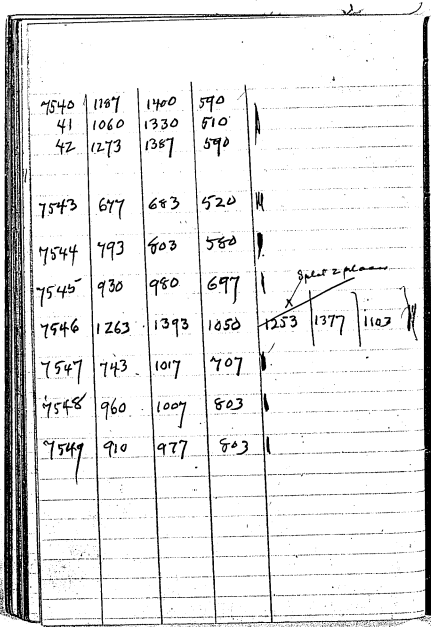
Co 5th runs satisfactory

	70			80		
7522	1367	1383	667	1383	1440	707
7523	1390	1397	653	1417	1420	660
7524	1390	1397	617	1420	1397	673
7525	1377	1390	617	1407	1423	650
7526	1363	1383	617	1380	1397	650
7527	1377	1390	600	1407	1423	650
7528	1297	1377	703	1267	1380	627
29	1810	1383	623	1293	1373	663
30	1360	1437	537	1327	1433	677
31	1297	1363	543	1323	1377	633
32	1320	1423	537	1350	1463	677
33	1207	1280	527	1247	1357	690
34	1197	1410	610	1107	1443	660
35	1253	1413	603	1210	1483	663
36	1340	1447	627	1333	1460	690
37	1190	1297	577	1177	1303	630
38	1193	1327	623	1127	1323	697
39	1143	1283	577	1100	1283	700

1323	1360	763	1310	1347	873	
1353	1377	753	1327	1353	873	
1350	1377	713	1333	1377	880	
1347	1363	703	1333	1367	878	
1290	1358	703	1250	1310	760	
1330	1363	700	1327	1350	877	

Gladden 718

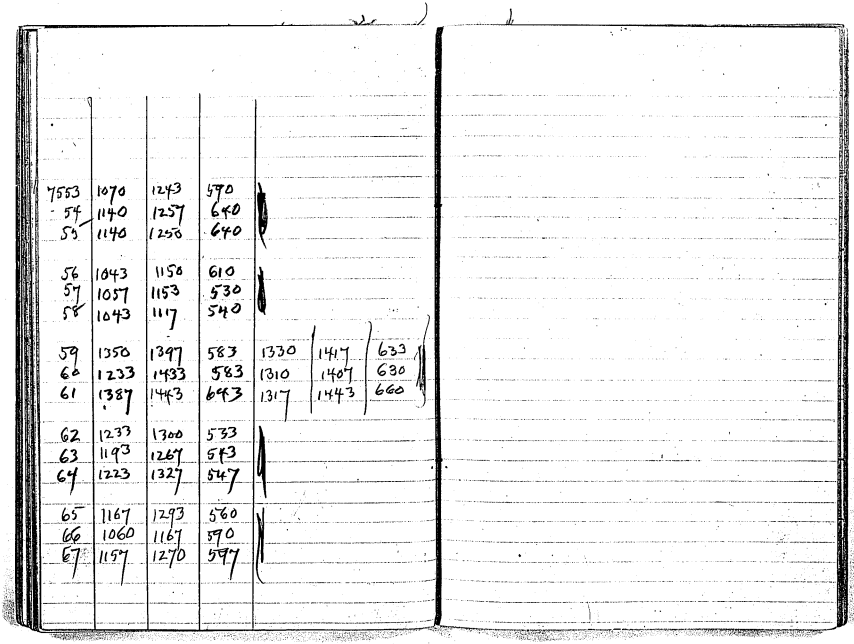
520 Heath. boiled strong for 6 hours dried hot no cover	7346	7540	990	1267	1280	303	1333	1398	522
	7275	7541	957	1067	1230	350	1153	1297	523
	7355	7542	973	1257	1267	393	1210	1380	673
pressed 300 at									
Old tubes – Regenerative Expt									
Old no 3968		7543	692	773	780	490	780	737	613
" 3969		7544	690	863	893	497	783	797	660
" 2565		7545	1047	1170	1247	687	910	960	780
" 5368 12/31		7546	1530	1560	1663	1197	1263	1390	1137
6120		7547	683	1133	1290	790	970	1180	820
8807		7548	1107	1037	1080	877	1010	1060	837
8808		7549	977	1043	1090	843	990	1040	917



7540	1187	1400	590	
41	1060	1330	510	
42	1273	1387	590	
7543	677	683	520	
7544	793	803	580	
7545	930	980	697	
7546	1263	1393	1050	1253 / 1377 / 1103
7547	743	1017	707	
7548	960	1007	803	
7549	910	977	803	

Great 2 places

Goldsilver 729	7030	7550	1050	1213	1220	407	1213	1297	683
520 Mesh. 2 gm	7125	7551	1030	1280	1247	410	1257	1330	660
KCN dried 6 days over	7183	7552	1050	1207	1220	387	1197	1263	600
40 days pressed 300 atl.									
Goldsilver 733	6980	7553	980	1090	1100	420	1123	1217	610
520 Mesh. 1% $Ca(OH)_2$	7000	7554	967	1097	1107	443	1173	1260	627
dried 5 Hole box 22 days	7069	7555	990	1077	1153	477	1183	1263	607
pressed 300 atl									
Goldsilver 737	6915	7556	940	1060	1067	453	1100	1180	600
520 Mesh. 1% Pb(OAc)$_2$	6930	7557	933	1050	1057	397	1053	1130	550
5 Hole box 22 days	6881	7558	940	1023	1033	420	1060	1130	567
pressed 300 atl									
Goldsilver 746	7760	7559	947	1220	1227	393	1317	1363	590
520 Mesh. 1% CaO_3	7773	7560	953	1213	1220	383	1333	1373	587
3 Hole box 22 days	7730	7561	973	1237	1247	370	1363	1383	523
Goldsilver 717	7130	7562	1053	1277	1293	430	1267	1287	660
520 Mesh. 1% KCN	7177	7563	1053	1267	1283	430	1243	1330	617
1 Hole 42 days	7175	7564	1050	1267	1280	427	1223	1323	583
pressed 300 atl									
Goldsilver 776	6765	7565	833	1023	1030	320	1237	1270	433
Moisture dry	6675	7566	870	1177	1183	320	1197	1263	480
1% SiO_2 dry Mesh.	6680	7567	843	1190	1200	347	1243	1307	423
dried 48 hours									
Pressed 300 atl									
93 gm Mesh									

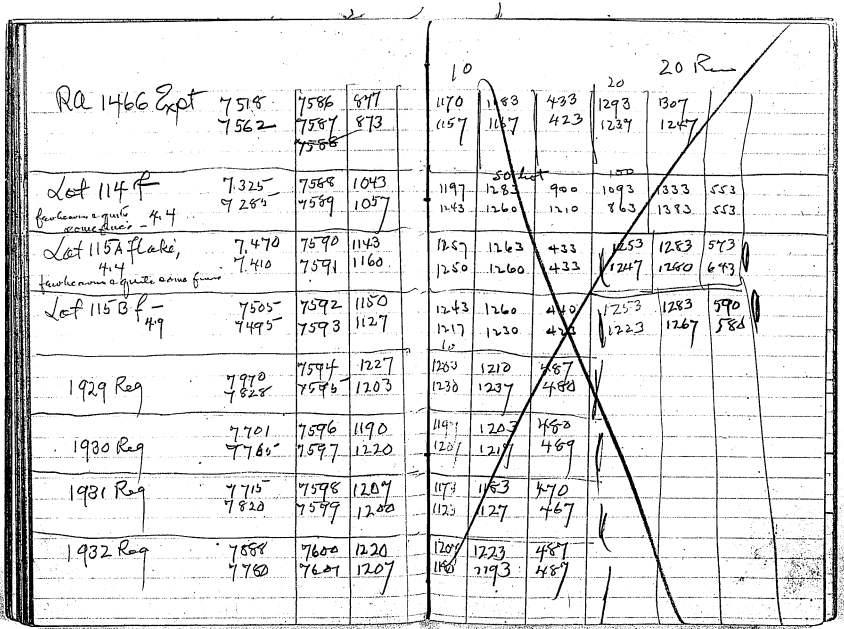


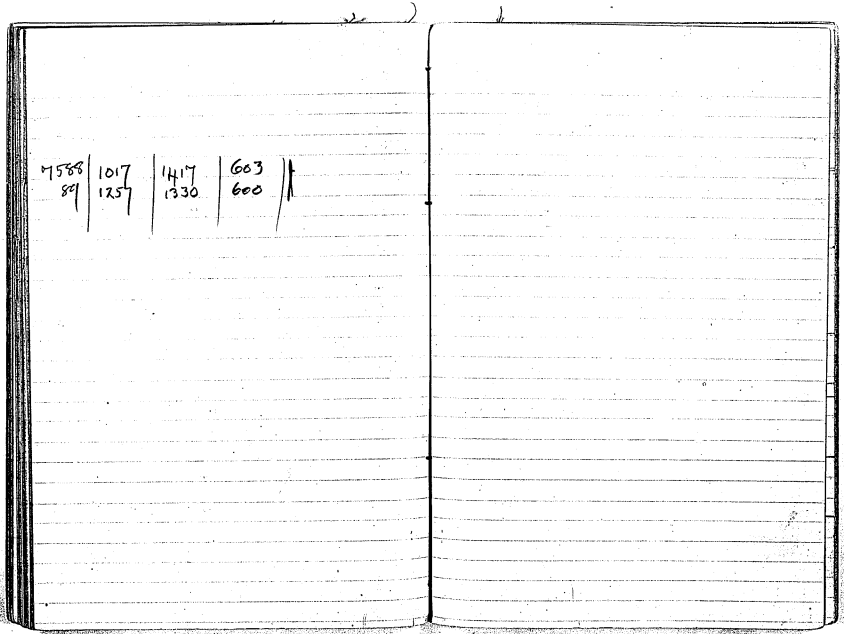
7553	1070	1243	590				
54	1140	1257	640				
55	1140	1256	640				
56	1043	1158	610				
57	1057	1153	530				
58	1043	1117	540				
59	1350	1397	583	1330	1417	633	
60	1233	1433	583	1310	1407	630	
61	1387	1443	643	1317	1443	660	
62	1233	1300	533				
63	1193	1267	583				
64	1223	1327	547				
65	1167	1293	560				
66	1060	1167	590				
67	1157	1270	587				

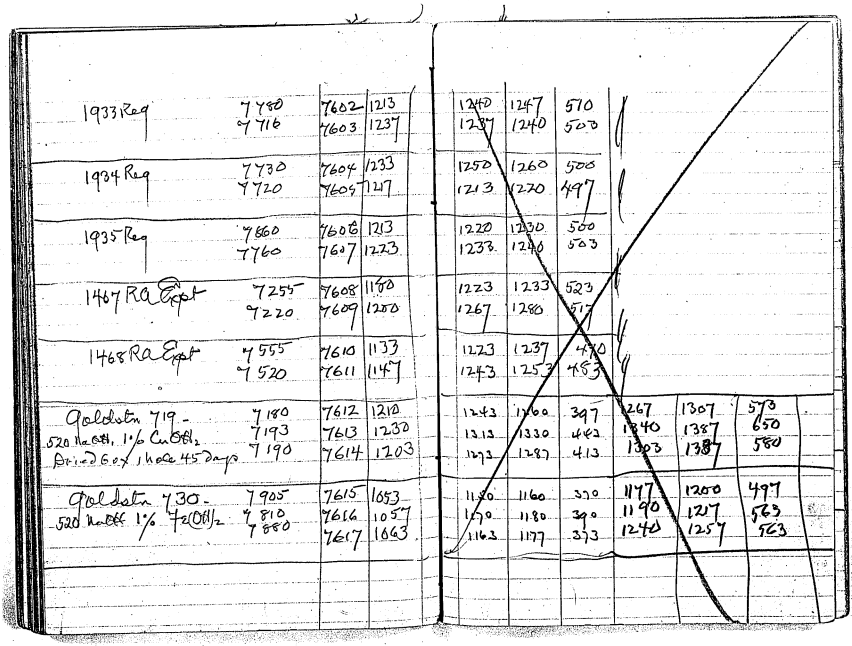
Galdol 777	7060	7568	927
Dry H_2SO_4 96 gpm	7003	7569	927
NaOH 60 hours ground	7029	7570	920
pressed 300 at –			
Galdol 774	6805	7571	910
Dry H_2SO_4	6950	7572	960
100 gpm NaOH –	6950	7573	917
Dried 72 hours ground 300 at			
Galdol 722		7574	1057
Wade with 520	7020	7575	1033
NaOH 1 Hole 40 Drops	6996	7576	1053
	6805		
Galdolen 775	6493	7577	863
Dry H_2SO_4 90 gpm NaOH	6490	7578	843
Dried 24 hours	6495	7579	867
ground 300 at			
Galdolen 782	7673	7580	830
Dry H_2SO_4 90 gpm	7642	7581	820
NaOH 3 nuts 40 drops	7600	7582	817
5 gr weight between hot rollers ground 300 at times			
Galdol 783	6885	7583	820
Dry H_2SO_4 93 gpm	6860	7584	817
NaOH 4 gr weight between hot rolled ground 300 at.	6830	7585	807

1233	1247	357	1327	1373	493	
1227	1240	343	1303	1347	487	
1213	1230	340	1300	1373	520	
1203	1217	300	1193	1223	413	
1260	1267	307	1293	1350	470	
1197	1213	307	1230	1263	463	
913	1413	427	1287	1457		
1277	1297	380	1267	1330		
1290	1320	417	1260	1380		
1153	1167	313	1077	1150	467	
1160	1147	307	1123	1177	463	
1163	1180	307	1093	1160	460	
7579 rolling ground						
1180	1190	313	1133	1210	463	
1177	1190	310	1173	1200	417	
1180	1190	413	1183	1227	457	
1167	1177	450	1160	1210	460	
1140	1223	710	1257	1300	477	
1133	1150	483	1163	193	410	

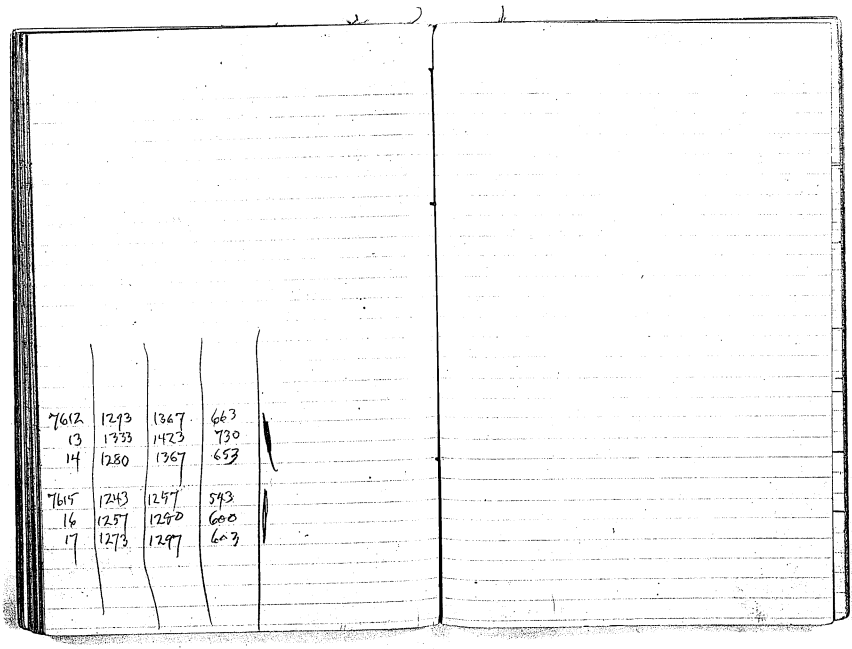
	150	1/2	1f	200	1/2	1f			
7568	1250	1353	590	1350	1	707	1180	1327	690
69	1217	1307	593	1213	5	703	1113	1293	633
70	1210	1397	570	1357		737	1207	1379	664

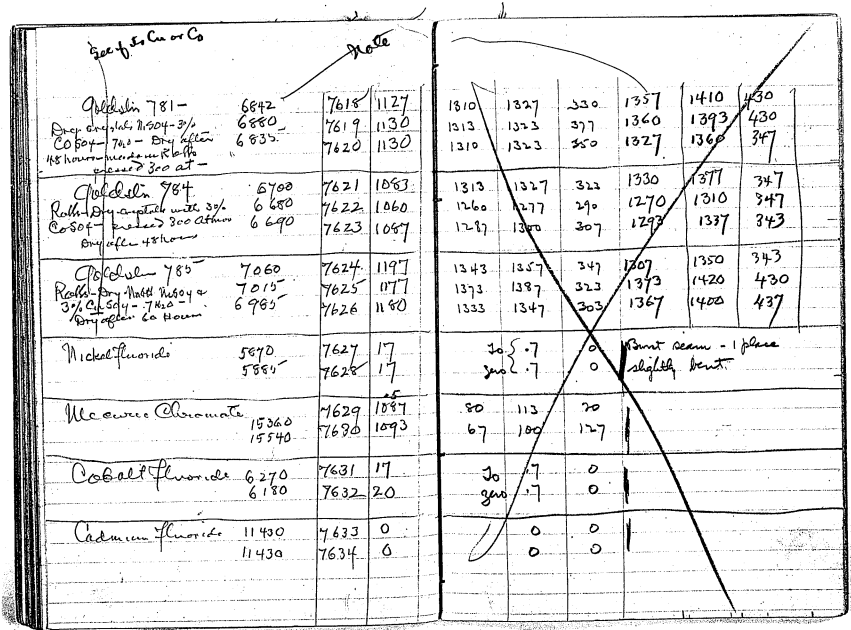

10
20
20 Rm
RA 1466 Expt
7518
7562
7586
7587
7588
877
873
1170
1157
1183
1187
433
423
1298
1239
1307
1247
Lot 114 F
fawn coarse quite coarse fibre 4.4
7325
7263
7588
7589
1043
1057
1197
1243
1283
1260
900
1210
1093
863
1333
1383
553
553
Lot 1154 flake,
4.4
fawn coarse quite coarse fibre
7.470
7.410
7590
7591
1143
1160
1257
1250
1263
1260
433
433
1253
1247
1283
1260
573
643
Lot 115 B F
4.9
7505
7495
7592
7593
1150
1127
1243
1217
1260
1220
440
440
1253
1223
1283
1267
590
588
1929 Reg
7970
7828
7594
7595
1227
1203
1283
1230
1210
1237
487
488
1930 Reg
7701
7760
7596
7597
1190
1220
1197
1207
1203
1217
480
469
1931 Reg
7715
7820
7598
7599
1207
1200
1173
1123
1183
1127
470
467
1932 Reg
7688
7760
7600
7601
1220
1207
1207
1180
1223
1193
487
487


7588 1017 1417 603
89 1257 1330 600



1933 Reg	7480	7602	1213	1240	1247	510				
	7716	7603	1237	1237	1240	503				
1934 Reg	7730	7604	1233	1250	1260	500				
	7720	7605	1227	1213	1270	497				
1935 Reg	7860	7606	1213	1220	1230	500				
	7760	7607	1223	1233	1240	503				
1467 RA Expt	7255	7608	1180	1223	1233	523				
	7220	7609	1208	1267	1280	517				
1468 RA Expt	7555	7610	1133	1223	1237	470				
	7520	7611	1147	1243	1253	483				
Goldstein 719 -	7180	7612	1210	1243	1260	397	1267	1307	573	
520 lbs OH, 1% $CuOH_2$	7193	7613	1230	1213	1330	443	1240	1387	650	
Dried 6 ex, 1 hose 45 days	7190	7614	1203	1273	1287	413	1303	1387	580	
Goldstein 730 -	7905	7615	1653	1150	1160	370	1147	1200	497	
520 lbs OH 1% $ZnOH_2$	7810	7616	1057	1170	1180	390	1190	1217	563	
	7880	7617	1663	1163	1177	373	1240	1257	563	


7612 1293 1367 663
13 1333 1423 730
14 1280 1367 653
7615 1243 1297 593
16 1257 1298 600
17 1273 1297 603



7618	1333	1427	470	1287	1377	453
19	1263	1370	470	1287	1377	590
20	1290	1393	473	1347	1517	597
7621	1260	1350	433	1230	1327	430
22	1250	1263	430	1240	1297	417
23	1260	1253	430	1197	1333	417
7624	1253	1323	477	1240	1330	417
25	1360	1443	560	1360	1393	497
26	1330	1403	500	1307	1400	463

Run 6 turns

Z50 1/2 1+

1180	1330	490
1103	1223	430
1193	1297	404
1097	1224	363
1237	1293	393
1100	1227	440
1150	1250	457
1217	1347	450
1250	1363	577

Strontium Tungstate.		7635	13	30	37	23					
	10720	7636	13	30	37	23					
	10200										
Strontium Fluoride	7045	7637	7	30	37	23					
	7100	7638	10	30	37	23					
Goldsol 711 -	7009	7639	1143	1277	1290	473	1290	1313	577		
520 + 2 gms $CuSO_4$	7045	7640	1157	1290	1310	470	1293	1327	573		
1 Hole -	7040	7641	1147	1297	1317	470	1320	1343	573		
Goldsol 713	7200	7642	987	1247	1260	543	1263	1320	653		
520 ha 2 gms KCN -	7170	7643	990	1230	1247	537	1247	1307	653		
6ox 1 hole +	7190	7644	997	1233	1250	537	1223	1267	653		
Goldsol 720	7260	7645	1210	1393	1407	290	1380	1443	467		
520 Ha 1% $CoCl_2$	7128	7646	1190	1247	1263	257	1333	1380	467		
1 Hole -	7140	7647	1190	1243	1353	257	1303	1330	493		
Goldsol 721	7003	7648	1020	1230	1257	470	1260	1330	580		
520 Hoech. 5 Hole box	7115	7649	1023	1261	1277	470	1297	1367	590		
	7010	7650	1060	1300	1313	533	1307	1360	740		
Goldsol 740	7423	7651	1150	1363	1387	533	1427	1453	707		
Make 520 Hoech. 1% Uranyl Nitrate	7480	7652	1123	1300	1313	533	1330	1377	707		
	7422	7653	1160	1363	1387	643	1410	1430	823		
							Note -				

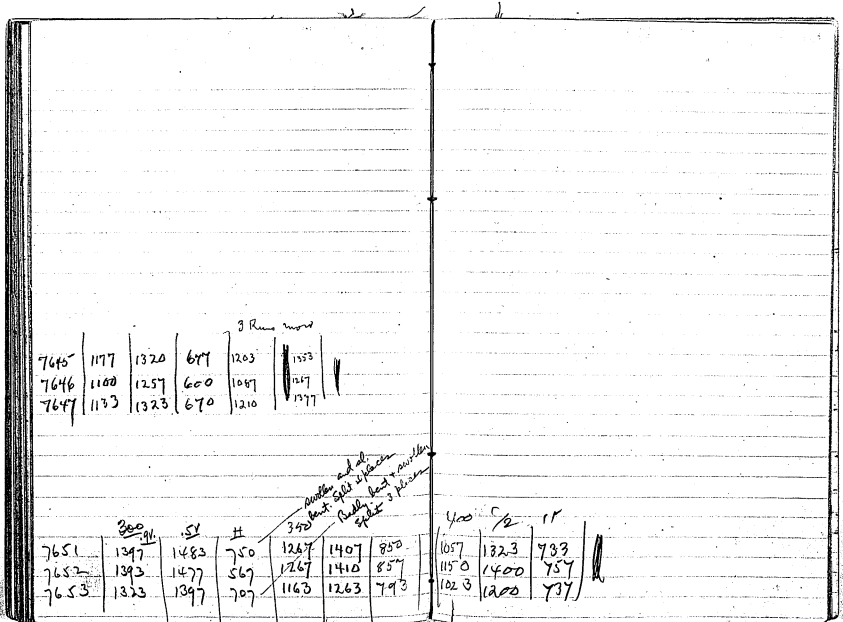
	150	1/2	1+											
													300	
7645	1370	1400	610	1247	1383	590	1227	1380	587		9	S	H	
46	1320	1340	617	1243	1357	597	1183	1313	573		1263	1377	623	
47	1310	1333	613	1247	1373	593	1270	1423	667		1169	1293	610	
											1237	1377	633	

250 Count slightly Discolored

Run over after 250 shot

7651	1451	1487	965	1447	1527	767	1430	1557	767	
52	1347	1387	686	1380	1453	723	1380	1460	733	
53	1457	1483	723	1447	1483	790	1430	1483	687	

1523	1573		
1473	1557		
1467	1510		


3 Runs more
7645 1177 1320 677 1203 1553
7646 1100 1257 600 1087 1257
7647 1133 1323 670 1210 1377
another and all
beat split 2 places
Really beat + another
split 3 places
300 9K 5K H 350
7651 1397 1483 750 1267 1407 850
7652 1393 1477 567 1267 1410 857
7653 1323 1397 707 1163 1263 793
400 52 1K
1057 1323 733
1150 1400 757
1023 1200 737

Goldstein 740 — 520 gm NaOH + 1% $U(OH)_2$ Uranium Oh	7423 7480 7422	7654 7655 7656	1173 1140 1130	1333 1267 1253	1357 1293 1270	610 487 437	1357 1297 1280	1383 1333 1313	427 370 377
Goldstein 741 — 520 NaOH. 1% $Be(OH)_2$	7340 7360 7342	7657 7658 7659	1170 1127 1173	1317 1233 1230	1353 1260 1260	490 433 420	1317 1263 1360	1367 1310 1447	380 340 363
Goldstein 742 — 520 NaOH. 1% Strontium hydroxide	7116 7150 7228	7660 7661 7662	1200 1190 1210	1360 1310 1257	1373 1337 1383	550 490 510	1400 1253 1287	1460 1397 1450	363 353 364
Goldstein 743 — 520 NaOH. 1% Calcium hydroxide	7007 7143 7187	7663 7664 7665	1040 1197 1197	1293 1327 1377	1310 1347 1397	510 530 583	1300 1323 1370	1387 1463 1523	363 363 427
Goldstein 744 — 520 NaOH, 1% Barium hydroxide	7035 7120 7032	7666 7667 7668	1200 1209 1184	1287 1290 1257	1303 1317 1283	470 507 587	1300 1303 1267	1353 1393 1333	393 350 358
Goldstein 747 — 520 NaOH. 1% Molybdic hydrox MoO_3	7350 7390 7400	7669 7670 7671	1020 1120 1120	1323 1263 1347	1333 1380 1373	413 453 413	1363 1397 1393	1420 1447 1427	343 343 358
Goldstein 748 — 520 NaOH. 1% WO_3	7480 7450 7410	7672 7673 7674	1170 1183 1164	1300 1293 1297	1317 1320 1323	460 493 460	1303 1250 1323	1370 1367 1376	347 347 347

	150		
7654	1423	1477	583
55	1300	1390	473
56	1310	1360	530

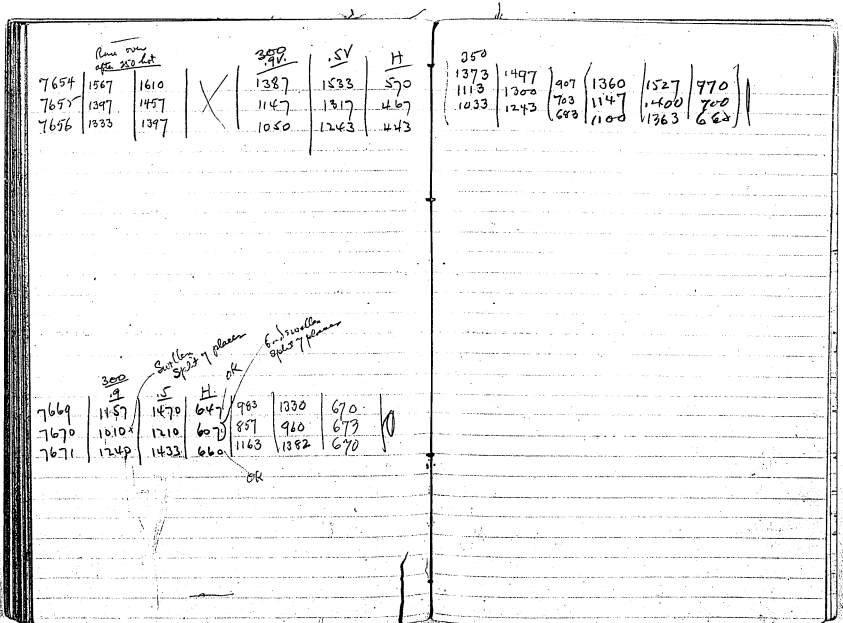
	700			750		
	1517	1583	753	1507	1573	730
	1250	1397	710	1283	1393	653
	1347	1423	593	1290	1363	683

7659	1383	1453	560
70	1307	1380	583
71	1417	1470	573

Swallow split 5 places - !

Swallow 2 places

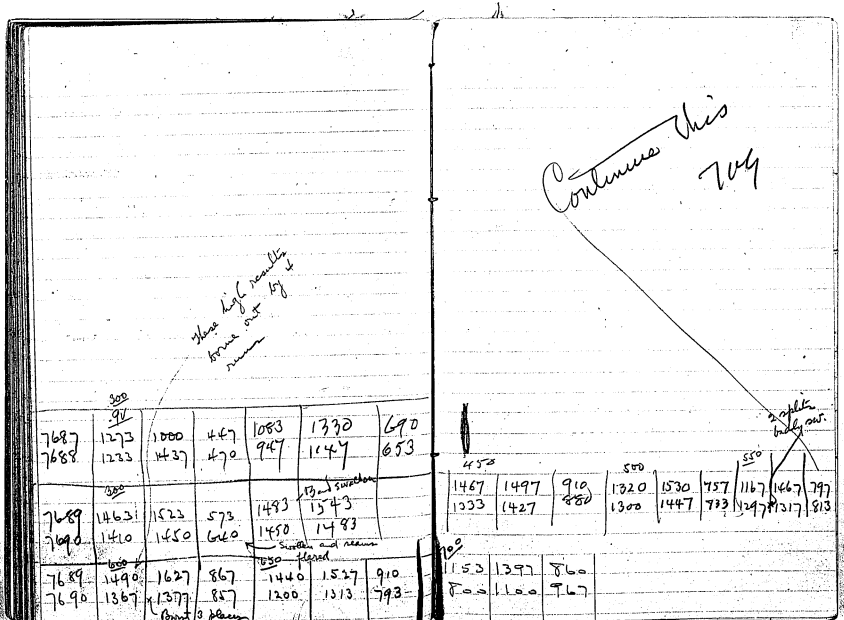
1310	1473	597	1253 x	1440	663
1317	1467	659	1293 ✓	1380	670
1417	1587	634	1390	1503	680


Plans row after 350 Lot
350 gv
.5V
H
7654
7655
7656
1567
1397
1333
1610
1457
1397
1387
1147
1050
1533
1317
1243
570
467
443
350
1373
1113
1033
1497
1300
1243
907
703
683
1360
1147
1100
1527
1400
1363
770
700
663
300
19
5
H
7669
7670
7671
1157
1010
1246
1470
1210
1432
647
607
660
983
857
1163
1330
960
1382
670
673
670
Smaller Spl23 7 plexes
OR
Smaller Spl37 7 plexes
OR

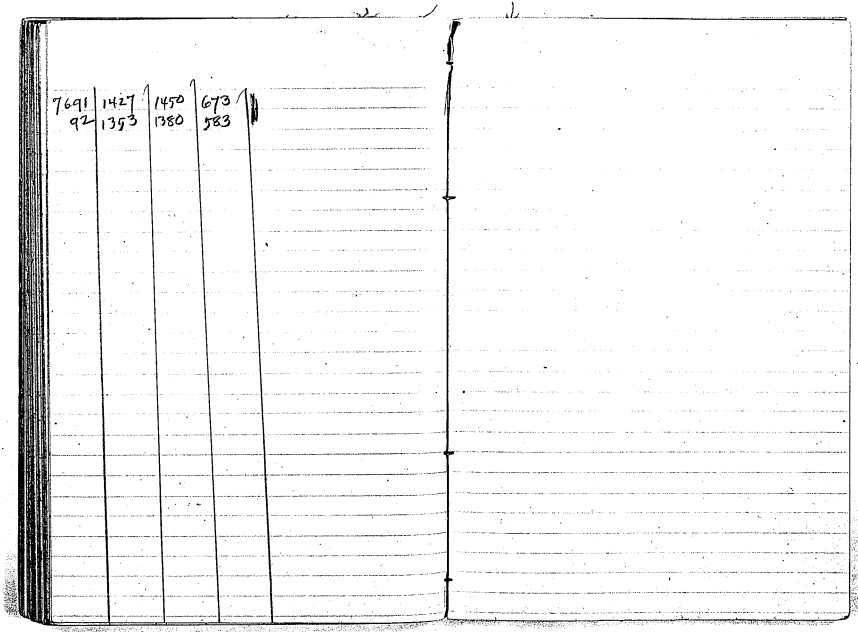
				50			100		
Galdieria 749	7455	7675	1133	1327	1347	420	1357	1393	345
520 NaOH.	7830	7676	1107	1297	1317	467	1353	1397	350
1% Sulphur	7850	7677	1143	1303	1333	410	1323	1383	333
Galdieria 750	7128	7678	1130	1330	1350	433	1313	1393	333
520 NaOH.	7062	7679	1127	1293	1313	433	1283	1371	337
1% Cobalthydrox + 1% Lioh.	7020	7680	1123	1370	1383	467	1283	1373	340
Galdieria 751	7740	7681	1143	1333	1357	507	1393	1423	357
520 NaOH.	7740	7682	1127	1253	1273	457	1287	1330	337
1% Antimony Tripotassium Oxide $Sb(OH)_3$	7810	7683	1147	1303	1327	503	1353	1413	360
Galdieria 752	7420	7684	1123	1273	1303	500	1323	1370	330
620 NaOH.	7440	7685	1103	1260	1283	453	1300	1330	333
[illegible]	7440	7686	1143	1283	1297	467	1263	1380	350
Rg Ni —	7655	7687	1263	1367	1380	520	1367	1407	360
Soaked in Conc Cobalt Chloride	7060	7688	1257	1350	1370	547	1333	1404	357
put in KOH, washed free.			40						
Rg Ni		7689	1057	1277	1293	520	1393	1413	364
Soaked 48 hours Conc $CoCl_2$		7690	1080	1287	1313	547	1393	1417	383
then KOH, washed	7000								
	7000								

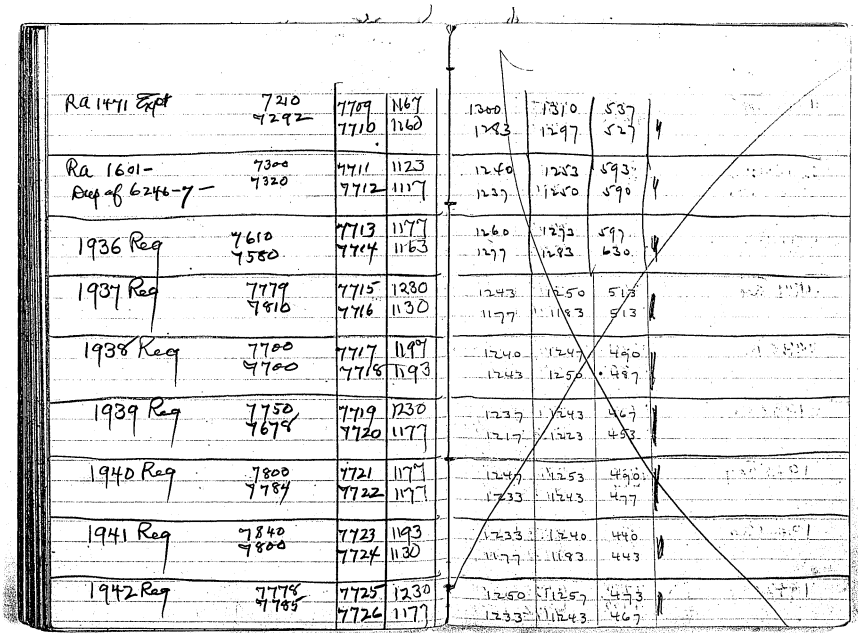
	150			200			250				
7675	1343	1413	550								
76	1307	1367	547								
77	1303	1397	567								
7678	1260	1360	547								
79	1240	1367	510								
80	1257	1373	573								
81	1363	1473	650								
82	1223	1323	577								
83	1297	1443	637								
7687	1360	1433	610	1133	1233	544	1213	1360	523	1277	1413
88	1307	1403	577	1193	1333	570	1183	1360	700	1260	1397
89	1460	1490	677	1467	1493	680	1453	1503	683	1503	1543
90	1467	1500	690	1480	1520	733	1443	1493	837	1410	1450

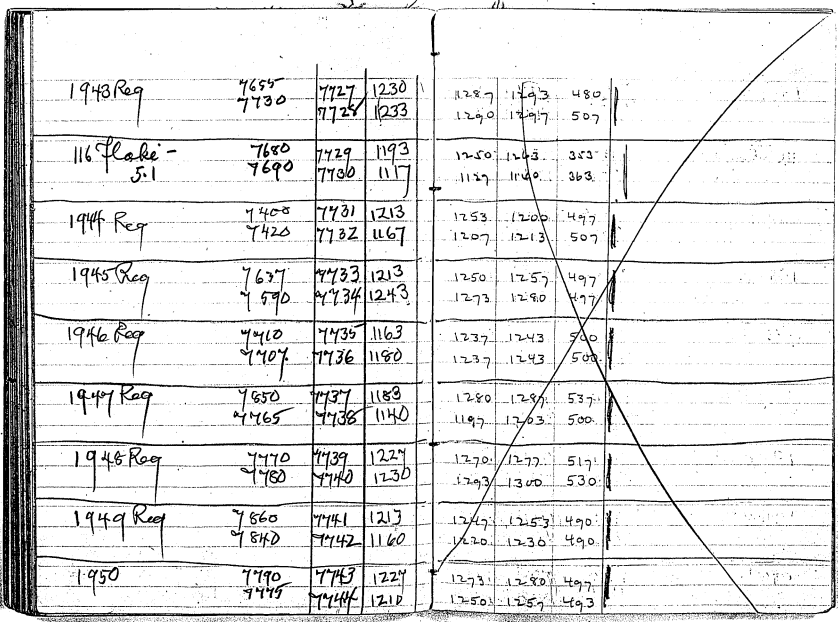
Run over 2nd time after 150 Lot


Continues this
70y
Have big results
figure out by
noon
300
90
7687 1273 1000 467 1083 1330 690
7688 1233 1437 470 947 1447 653
300
7689 1463 1523 573 1483 1543
7690 1410 1450 660 1450 1483
600
7689 1490 1627 867 1440 1527 910
7690 1367 1377 887 1200 1313 793
Count 2 places
Round smoother
Smaller and nearer
Spaced
450
500
550
1467 1497 910 1320 1530 757 1167 1667 797
1233 1427 1300 1447 733 1247 1317 813
2 right
being out
700
1153 1397 860
800 1100 967

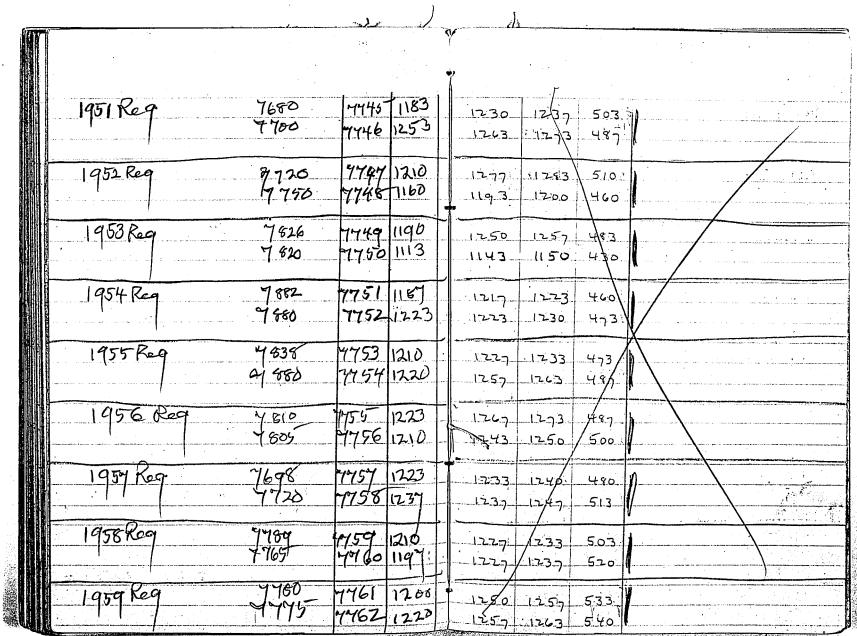
				52						
Reg Ni	7002	7691	943	1200	1220	503	1317	1353	373	
Soaked conc $CoCl_2$ then dried on	7021	7692	947	1190	1197	453	1240	1300	360	
Hot plate, then put in KOH (cooled) –										
Old cell titres	891	7693	880	790 bumpy	873	670				
Soaked just as taken out of	1705	7694	670	610 slightly bumpy	630	660				
artificial water in 10 grams										
HgCy solution in glycerine	1706	7695	890	843	857	620				
not all HgCy dissolved – warm –										
Cond boy (then [illegible] in 3rd [illegible])										
Old Indian soaked last ghrm	9535	7696	433	893 very bumpy	967	603				
with some KOH, then put in HgCy	25627	7697	517	867 g. but	988	667				
sulphuric – then in pure glycerine	2752	7698	490	657	677	587				
then water	6121	7699	390	1157 slightly bumpy	1303	800				
See boy why he left out HgCy	6122	7700	370	1383 very bumpy	1490	932				
in book wanted it on first dish –										
Same treatment as group		7701	680	917	997	867				
above – tubes wet no number		7702	610	920 slightly bumpy	1000	453				
Very red grids	8810									
	8087									
RA Expt 1465 Expt	7150	7703	1190	1260	1280	527				
	7137	7704	1190	1280	1300	527				
RA 1469 Expt	8060	7705	1137	1253	1263	470				
	8046	7706	1133	1257	1257	497				
RA 1470 Expt	7670	7707	1130	1253	1257	477				
	7652	7708	1173	1257	1287	493				


7691 1427 1450 673
92 1353 1380 583


Ra 1471 Exp
7210
7292
7709
7716
N67
1260
1310
537
1283
1297
527
Ra 1601-
Exp of 6246-7-
7300
7320
7711
7712
1123
1177
1240
1237
1283
1250
593
590
1936 Reg
7610
7580
7713
7714
1177
1163
1260
1277
1293
1283
597
630
1937 Reg
7779
7816
7715
7716
1230
1130
1243
1177
1250
1183
513
513
1938 Reg
7700
7700
7717
7718
1197
1193
1240
1243
1247
1250
490
487
1939 Reg
7750
7679
7719
7720
1230
1177
1237
1217
1243
1223
467
493
1940 Reg
7800
7784
7721
7722
1177
1177
1247
1233
1253
1243
490
477
1941 Reg
7840
7800
7723
7724
1193
1130
1233
1177
1240
1193
440
443
1942 Reg
7778
7785
7725
7726
1230
1177
1260
1233
1257
1243
453
467



1948 Reg	7655	7727	1230	1287	1293	480	
	7730	7725	1233	1290	1297	507	
116 Flake - 5:1	7680	7729	1193	1250	1263	353	
	7690	7730	1117	1127	1140	363	
1944 Reg	7408	7731	1213	1253	1200	497	
	7420	7732	1167	1207	1213	507	
1945 Reg	7637	7733	1213	1250	1257	497	
	7690	7734	1243	1273	1280	497	
1946 Reg	7410	7735	1163	1237	1243	500	
	7407	7736	1180	1237	1243	500	
1947 Reg	7650	7737	1183	1280	1287	537	
	7465	7738	1140	1197	1203	500	
1948 Reg	7470	7739	1224	1270	1277	517	
	7480	7740	1230	1293	1300	530	
1949 Reg	7860	7741	1213	1247	1253	490	
	7840	7742	1160	1220	1230	490	
1950	7790	7743	1224	1273	1280	497	
	7749	7744	1210	1250	1257	493	


1951 Req
7680
7700
7745
7746
1183
1253
1230
1263
1237
1273
503
487
1952 Req
7720
7750
7747
7748
1210
1160
1277
1193
1283
1200
510
460
1953 Req
7826
7820
7749
7750
1190
1113
1250
1143
1257
1150
483
430
1954 Req
7882
7880
7751
7752
1167
1223
1217
1223
1223
1230
460
473
1955 Req
7838
7880
7753
7754
1210
1220
1227
1257
1233
1263
473
487
1956 Req
7810
7805
7755
7756
1223
1210
1267
1243
1273
1250
487
500
1957 Req
7698
7720
7757
7758
1223
1237
1233
1237
1246
1247
480
513
1958 Req
7789
7769
7759
7760
1210
1197
1227
1227
1233
1237
503
520
1959 Req
7780
7775
7761
7762
1200
1223
1250
1257
1257
1263
533
540

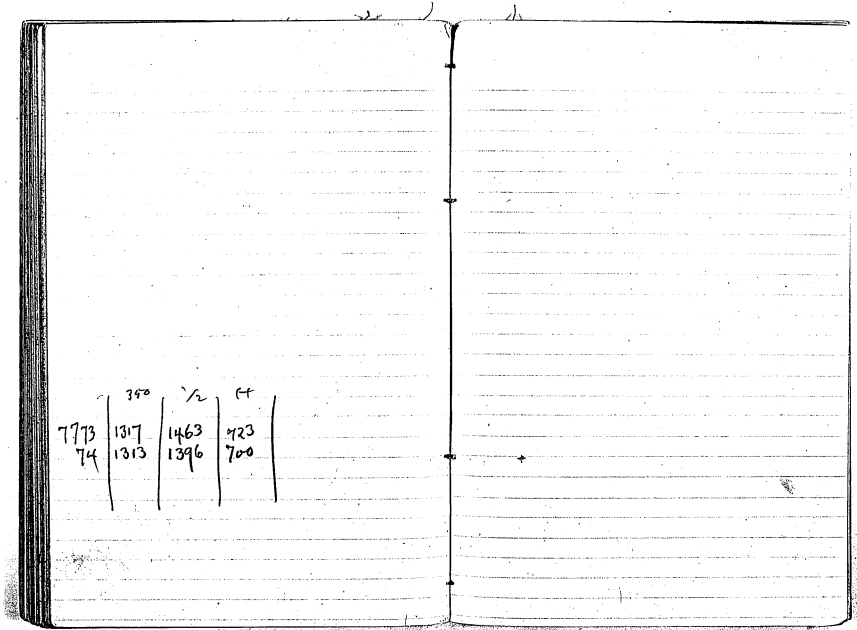
Dup of 7155 = Barium sulphate only—Reg Globe,	9920	7763 7767	10		43	47	33	//			
Goldstein 621 Bi. grow 3 gms Manganic hydrox in electrolyte each cell	7680 7621	7764 7765	1287 1253		1547 1533	1597 1593	1260 1337	1667 1600	1770 1670	1367 1300	
Goldstein 735	7840 7065	7766 7767	1083 1087		1210 1213	1230 1263	500 493	1227 1213	1393 1263	580 535	
Goldstein	7490 7455	7768 7769	1110 1123		1247 1267	1263 1293	470 540	1290 1268	1323 1347	610 580	
Make for each chrom Bismuth (1.5 Gl) 2	7345 7320 7345	7770 7771 7772	1197 1193 1193		Open 10 Ref runs 1523 1527 1530	— — —	977 990 947	20 1513 1510 1523	1523 1520 1530	1187 1230 1187	
Goldstein 754	7440 7405	7773 7774	1093 1117		1283 1243	1310 1370	370 370	1350 1353	1390 1383	437 440	
Volatile to 1% Silver oxide —											
Goldstein 756	7670 7696	7775 7776	1077 1080		1257 1303	1283 1333	370 423	1277 1343	1317 1387	7763 527	
Goldstein 757	7103 7137	7777 7778	1053 1093		1153 1180	1167 1197	360 310	1143 1160	1177 1213	405 440	

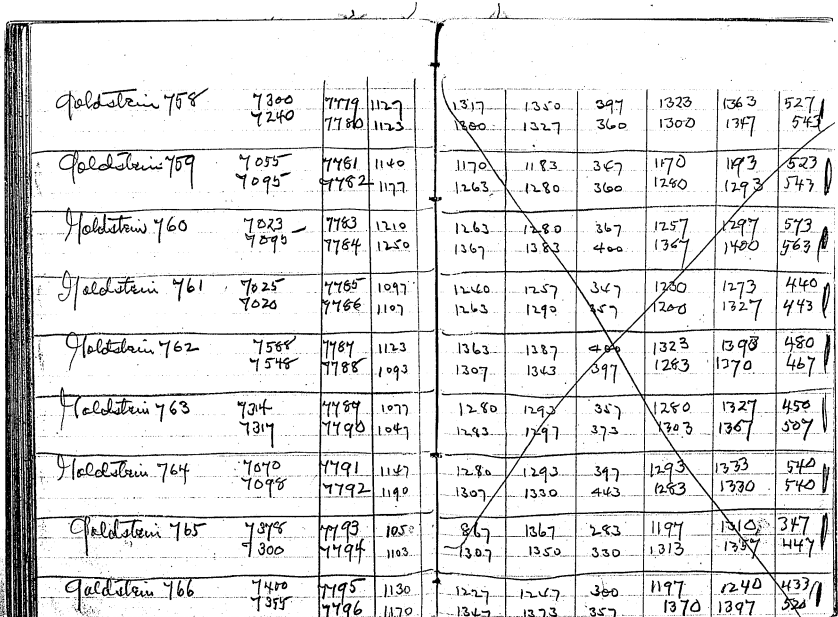
150 ½ ht.

7764	1427	1670	1298			
65	1483	1637	1318			

	30			40			70		
7770	1583	1590	1247	1520	1530	1333	1390	1397	923
7771	1587	1590	1247	1480	1497	1333	1377	1387	950
7772	1587	1590	1250	1493	1503	1330	1407	1413	873

										300		
7773	1447	1503	731	1447	1520	643	1417	1483	783	1377	1467	577
74	1477	1493	698	1400	1473	637	1400	1467	793	1277	1393	547
	150			200			250					


350
1/2
4
7773 1317 1463 723
74 1313 1396 700



Goldstein 758	7300 7240	7779 7780	1127 1123	1317 1300	1350 1327	397 360	1323 1300	1363 1347	527 543
Goldstein 759	7055 7095	7781 7782	1140 1177	1170 1263	1183 1280	367 360	1170 1240	1193 1293	523 547
Goldstein 760	7023 7090	7783 7784	1210 1250	1263 1367	1280 1383	367 400	1257 1367	1297 1400	573 563
Goldstein 761	7025 7020	7785 7786	1097 1107	1260 1263	1257 1290	347 357	1200 1200	1273 1327	440 443
Goldstein 762	7588 7548	7787 7788	1123 1093	1363 1307	1287 1343	480 397	1323 1283	1398 1370	480 467
Goldstein 763	7314 7317	7789 7790	1077 1047	1280 1293	1293 1297	357 373	1280 1303	1327 1367	458 507
Goldstein 764	7070 7098	7791 7792	1147 1140	1280 1307	1293 1330	397 443	1293 1283	1333 1330	540 540
Goldstein 765	7378 7300	7793 7794	1050 1103	867 1307	1367 1350	283 330	1197 1313	1310 1357	347 447
Goldstein 766	7400 7355	7795 7796	1130 1170	1227 1347	1247 1273	300 357	1197 1370	1240 1397	433 523

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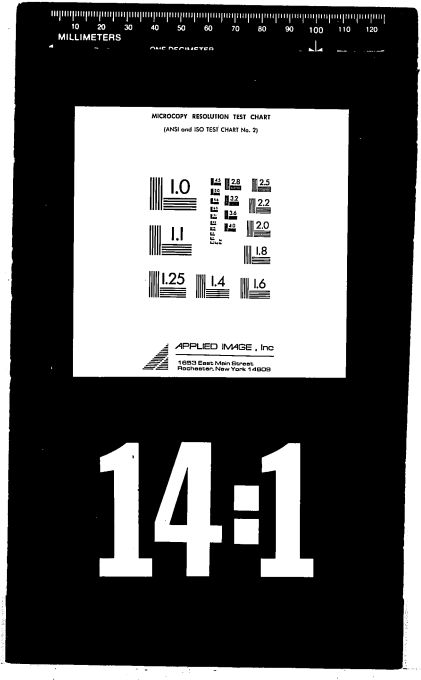
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